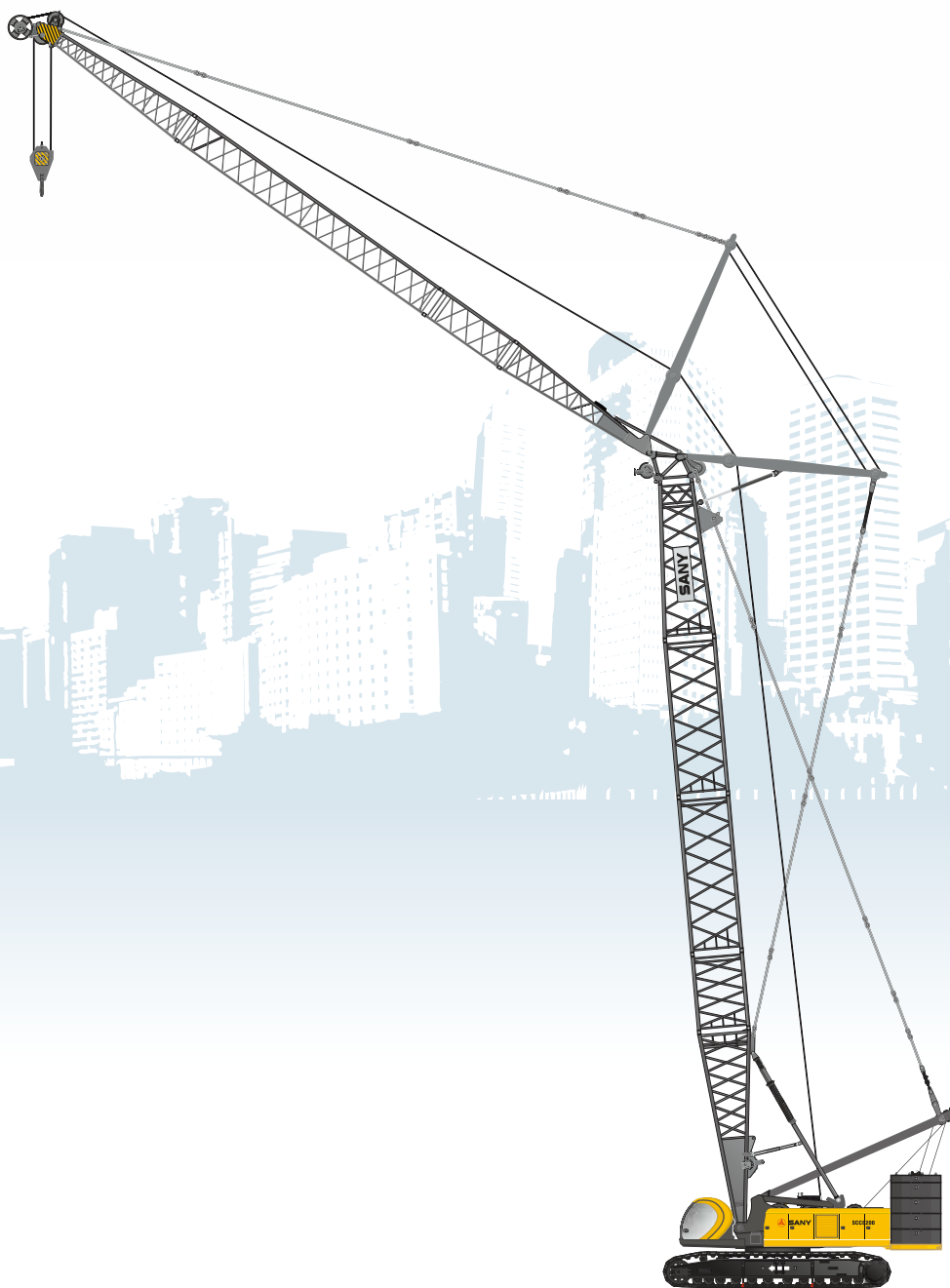




SANY

Quality Changes the World



SANY CRAWLER CRANE SCC 8200

CRAWLER CRANE

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SCC8200 Crawler Crane

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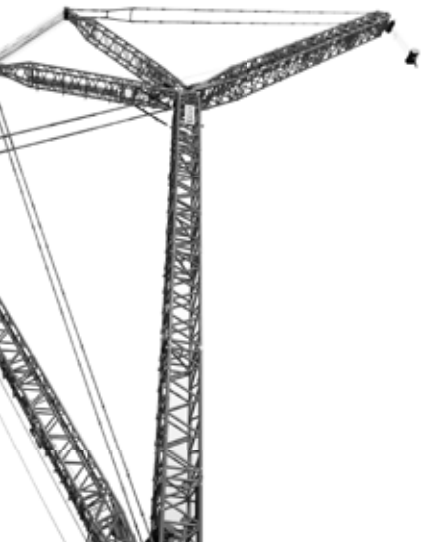
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Operating Conditions Combinations

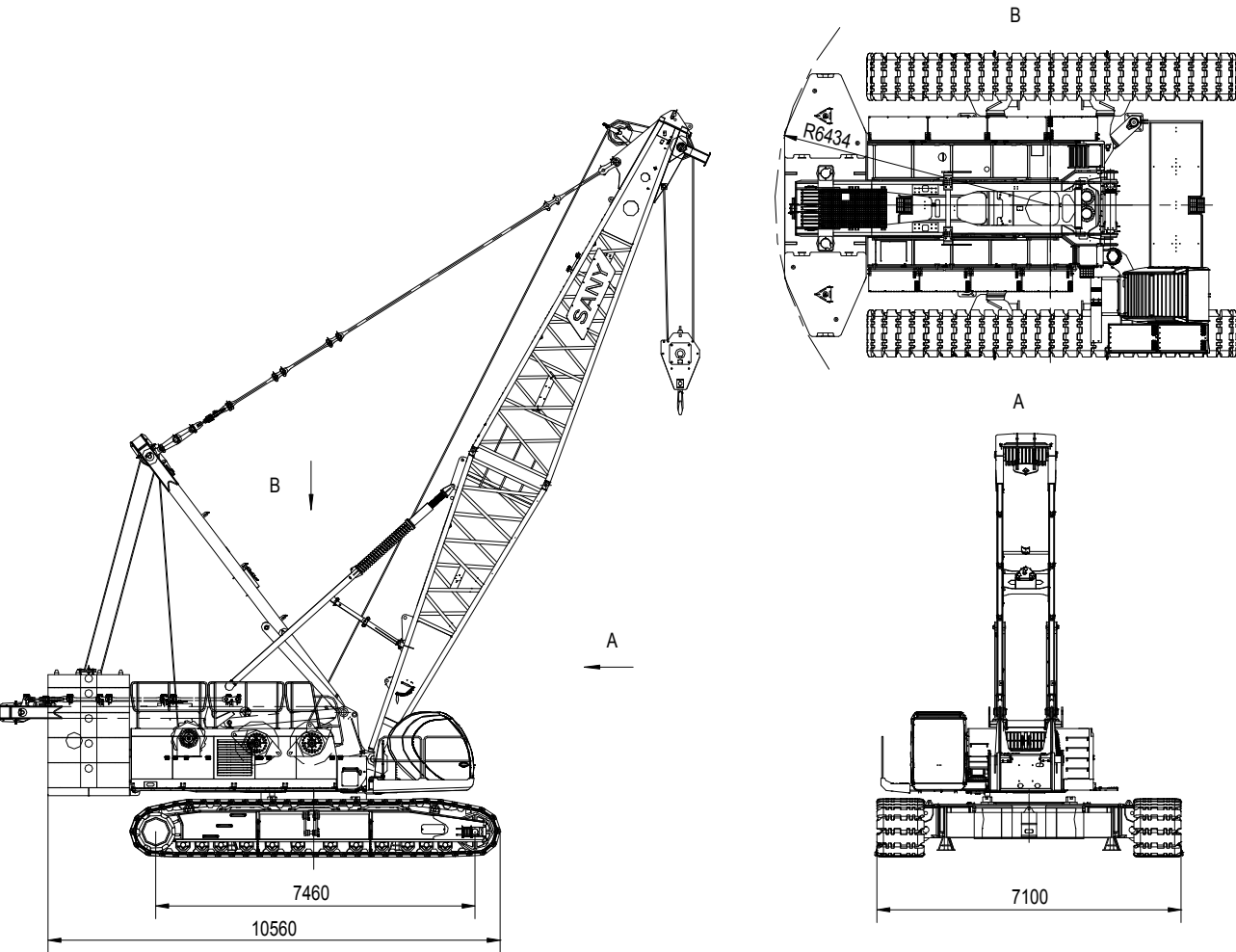
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SCC8200

02	Dimensions
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DIMENSIONS



MAIN TECHNICAL FEATURES

1. Safe Control System:

Two convenient and reliable modes of operation; working and installation, with real-time level display, stop operation braking away from machine, anti-lightning protection, automatically walk switches, CCTV monitoring function, complete safety and supervision system;

2. Excellent Operation Performance:

Load-sensing, limit load regulation and electro-hydraulic proportional micro-speed control make each micro-movement extremely good and operation more stable;

3. Reliable Functionality Guarantee:

High quality components are adopted; sufficient safety margin for structural and mechanical design control;

4. Convenient Maintenance Technology:

It takes approximately no more than 10min/person to adjust;no more than 30min/person for daily maintenance;no more than 2h/person to repair;

5. Powerful Lifting Capacity:

The maximum lifting capacity of boom is 132t×8m=1056t.m; the longest boom length is 86m; the maximum luffing jib lifting capacity is 40.7t×18m =732t.m; the longest boom combination length is 52m+51m; furthermore, the operating condition combination up to 5 types are supported;

6. High Efficiency Self-assembly Technology:

The whole machine can be self-assembly and disassembly with 3h installation time needed;

7. Optimized Transport Program:

The body transport width is only 3m and the transport weight is only 43t for global unlimited transportation;

8. Larger Chassis Design:

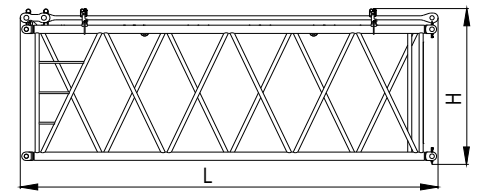
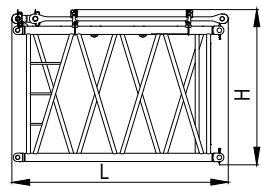
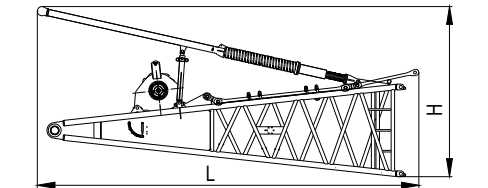
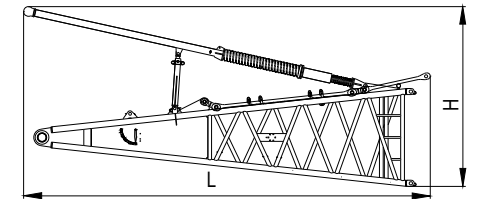
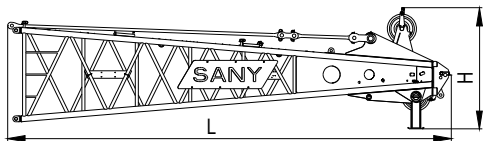
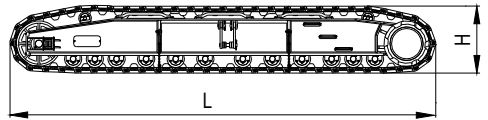
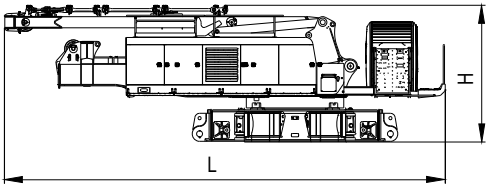
The chassis with the 6m track gauge can ensure the excellent operation stability within the range of 360° rotation;

MAIN PERFORMANCE PARAMETERS

Main performance parameters of SCC8200 crawler crane			
Performance index		Unit	Parameters
Boom operating conditions	Max. rated lifting capacity	t	200
	Boom length	m	16~86
	Boom luffing angle	°	30~80
Fixed jib operating conditions	Longest boom + Longest fixed jib	m	71.5+31
	Angle between boom and jib	°	10, 30
Luffing jib operating conditions	Max. rated lifting moment	t•m	40.7×18
	Longest boom + Longest luffing jib	m	52+51
	Boom luffing angle	°	65~85
Speed data	Jib luffing angle	°	15~75
	Main vice winch wire rope (outermost working layer)	m/min	0~125
	Boom luffing winch wire rope (outermost working layer)	m/min	(0~44)×2
	Jib luffing winch wire rope (outermost working layer)	m/min	0~44
	Swing speed	rpm	0~2
	Traveling speed	km/h	0~1.5
	Gradient capability	%	30
Engine	Output power / Rated speed	kW/ rpm	242 /2100
Transport data	Max. transport weight of single part	t	43
	Transport dimensions (L*W*H)	mm	11130×3000×3400
Track	Average ground bearing pressure	MPa	0.1

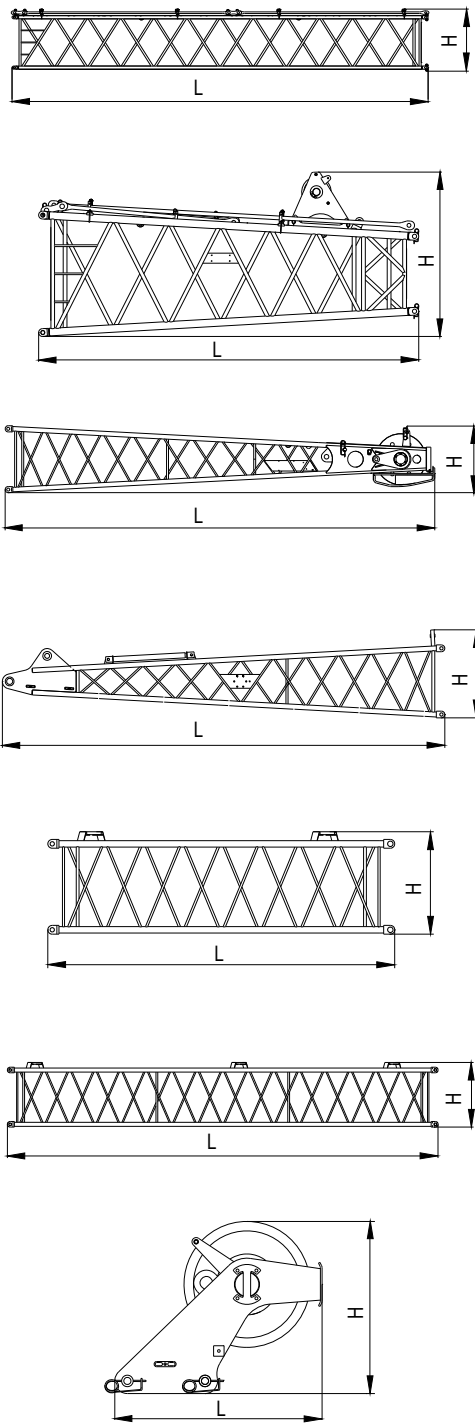
TRANSPORT DIMENSIONS

Basic Machine	×1
Length	11.13m
Width	3.00m
Height	3.40m
Weight	43t
Track Assembly	×2
Length	8.63m
Width	1.46m
Height	1.34m
Weight	20t
Boom Tip	×1
Length	9.43m
Width	2.22m
Height	2.57m
Weight	3.4t
Boom Base	×1
Length	8.27m
Width	2.23m
Height	3.68m
Weight	4.47t
Boom Base (including winch)	×1
Length	8.27m
Width	2.23m
Height	3.68m
Weight	5.7t
3m Boom Insert	×1
Length	3.22m
Width	2.30m
Height	2.30m
Weight	0.86t
6m Boom Insert	×3
Length	6.18m
Width	2.30m
Height	2.30m
Weight	1.33t



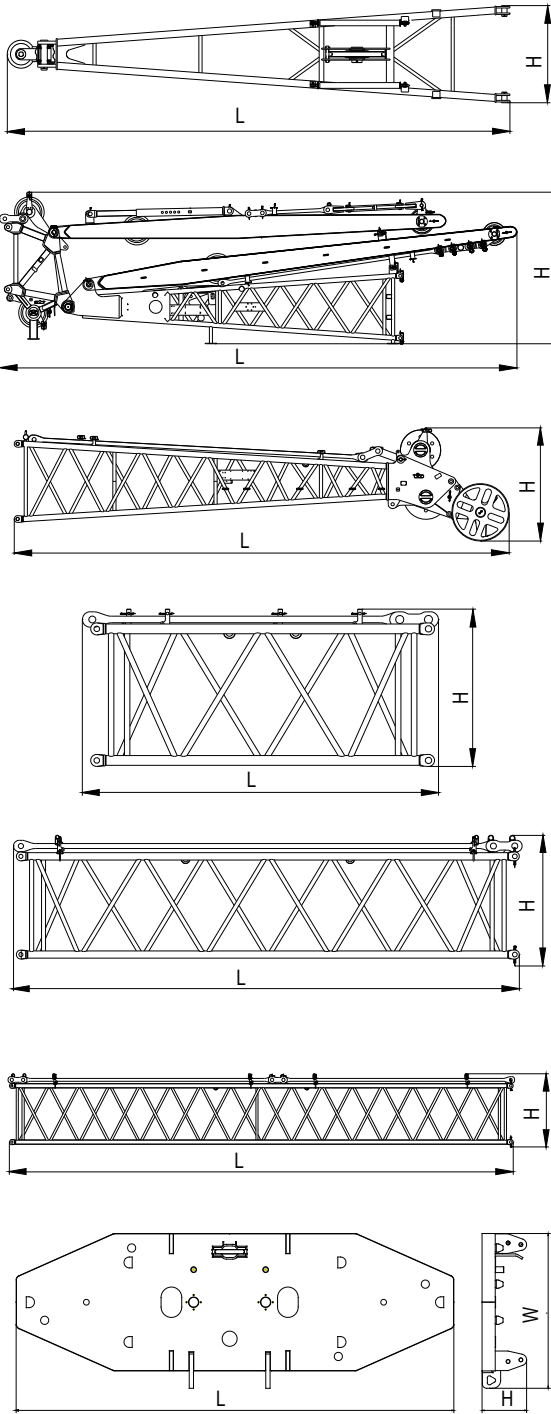
TRANSPORT DIMENSIONS

11.5m Boom Insert	×4
Length	11.64m
Width	2.30m
Height	2.30m
Weight	2.34t
Transition Boom	×1
Length	6.13m
Width	2.22m
Height	2.63m
Weight	1.52t
Fixed Jib Tip	×1
Length	5.48m
Width	1.02m
Height	0.85m
Weight	0.48t
Fixed Jib Base	×1
Length	5.16m
Width	1.02m
Height	1.02m
Weight	0.30t
3m Fixed Jib Insert	×1
Length	3.08m
Width	1.02m
Height	0.91m
Weight	0.13t
6 m Fixed Jib Insert	×3
Length	6.08m
Width	1.02m
Height	0.91m
Weight	0.23t
Jib Extension	×1
Length	0.99m
Width	0.46m
Height	0.82m
Weight	0.21t



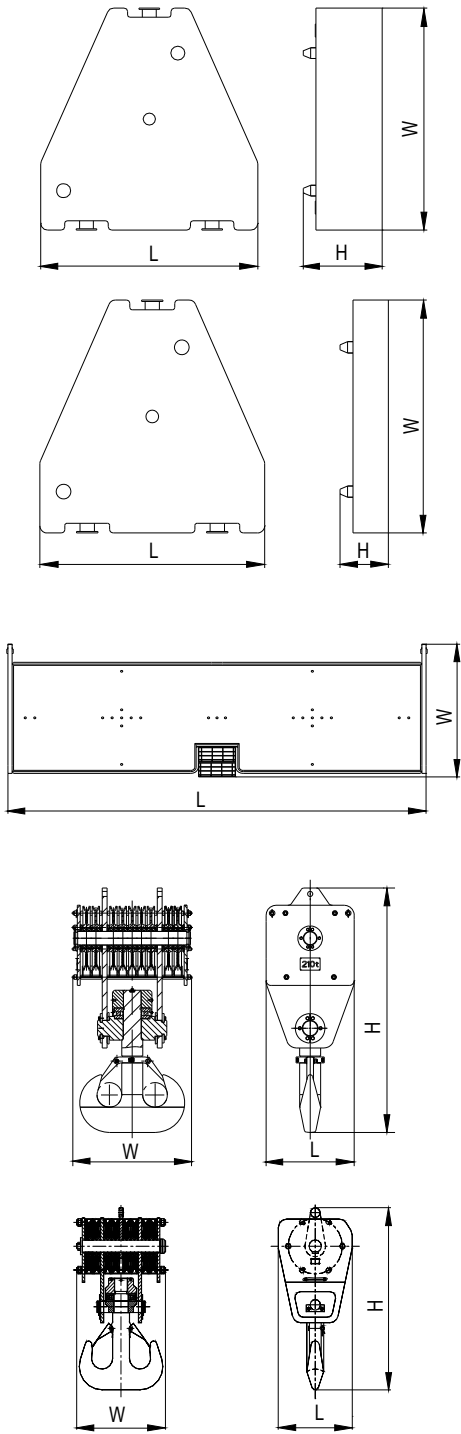
TRANSPORT DIMENSIONS

Fixed Jib Frame	×1
Length	5.46m
Width	1.05m
Height	0.60m
Weight	0.53t
Tower Condition Combination	×1
Length	10.13m
Width	1.52m
Height	2.92m
Weight	7.1t
Luffing Jib Tip (including jib extension)	×1
Length	7.88m
Width	1.50m
Height	1.81m
Weight	2.01t
3m Luffing Jib Insert	×1
Length	3.22m
Width	1.52m
Height	1.44m
Weight	0.44t
6m Luffing Jib Insert	×2
Length	6.15m
Width	1.56m
Height	1.60m
Weight	0.74t
11.5m Luffing Jib Insert	×2
Length	11.61m
Width	1.56m
Height	1.56m
Weight	1.3t
Counterweight Tray	×1
Length	6.14m
Width	2.14m
Height	0.63m
Weight	14t



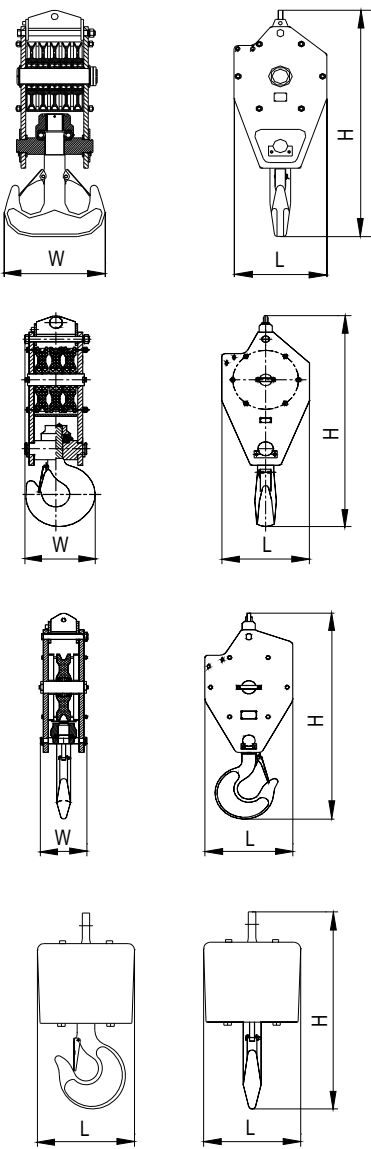
TRANSPORT DIMENSIONS

5.5t Counterweight	×8
Length	1.90m
Width	1.97m
Height	0.69m
Weight	5.5t
3t Counterweight	×2
Length	1.90m
Width	1.97m
Height	0.41m
Weight	3.0t
Central Counterweight	×2
Length	3.95m
Width	1.48m
Height	0.73m
Weight	10.0t
200t Hook	×1
Length	0.89m
Width	1.20m
Height	2.49m
Weight	3.47t
150t Hook	×1
Length	0.89m
Width	1.03m
Height	2.23m
Weight	2.57t



TRANSPORT DIMENSIONS

100t Hook	×1
Length	0.89m
Width	0.81m
Height	2.17m
Weight	1.84t
50t Hook	×1
Length	0.89m
Width	0.46m
Height	1.97m
Weight	0.96t
25t Hook	×1
Length	0.89m
Width	0.36m
Height	1.80m
Weight	0.75t
13.5t Hook	×1
Length	0.47m
Width	0.47m
Height	0.93m
Weight	0.52t

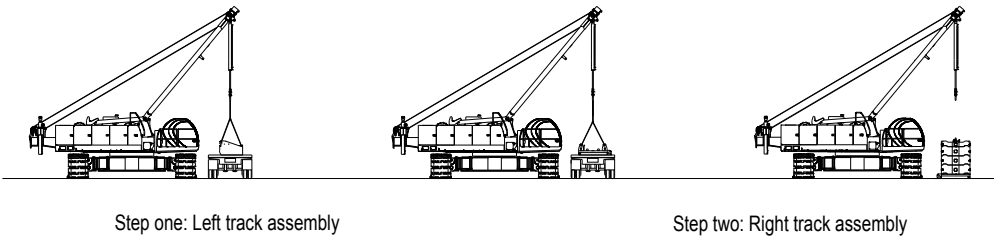
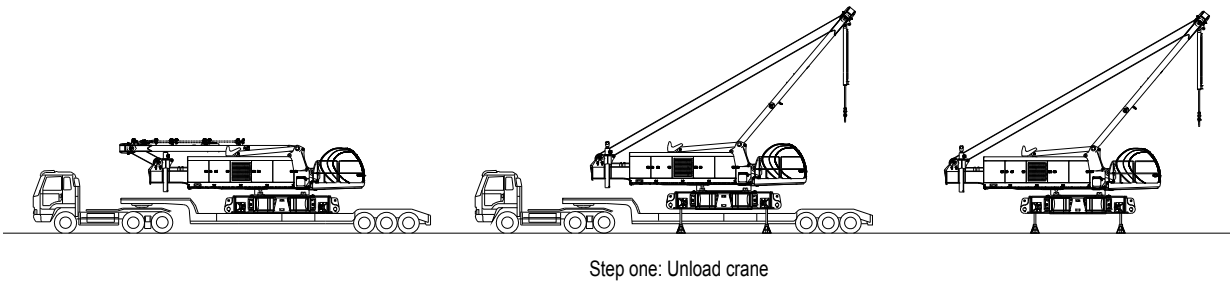


Notes: 1.The transport dimensions of the parts are marked on schematic diagrams, but not draw by scale; the dimensions indicated are the design values excluding package.
2.The weight is the designed value, with the error of about ±2% allowed due to manufacturing error

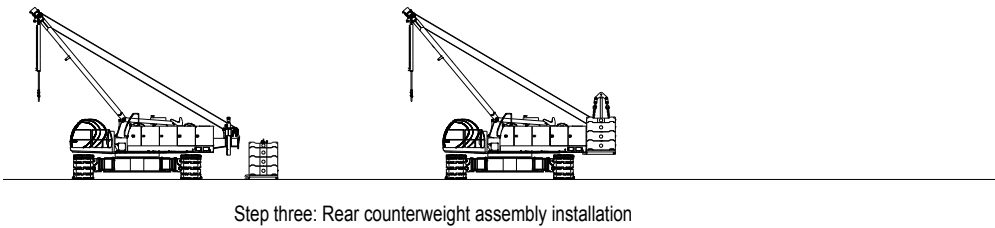
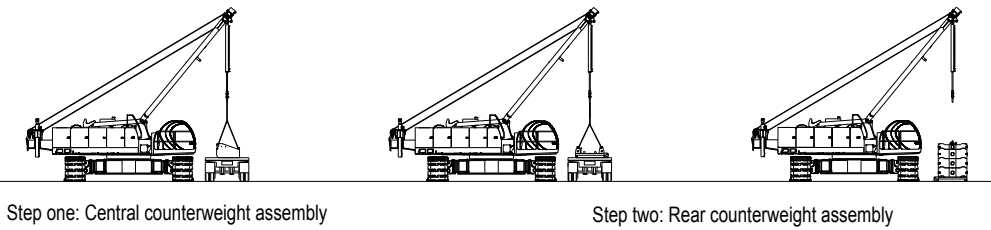
SELF -ASSEMBLY DIAGRAM

This crane can be equipped with the completely self-assembly function, such as the track traveling device, central counterweight, machine rear counterweight (optional) and boom base. The track traveling device is first assembled, and then central counterweight, rear counterweight and boom base for the assembly of machine. However, the order of dismantlement is reverse with that of assemble, with specific operation process as follows (reverse step taken for dismantlement).

1) Track installation

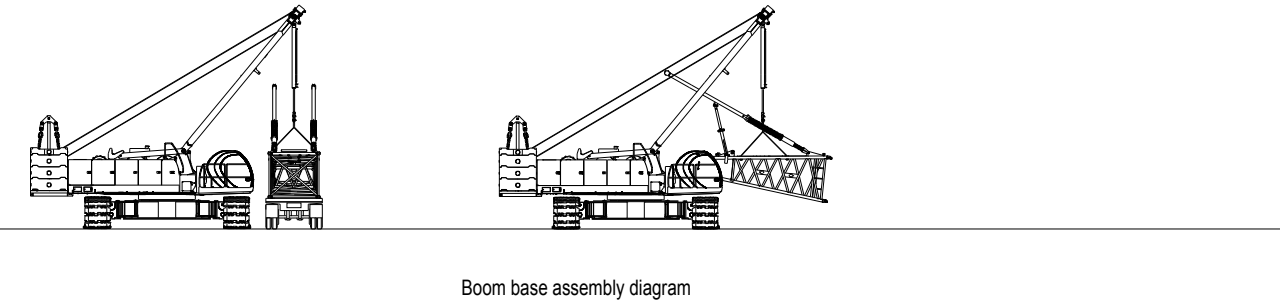


2) Counterweight assembly

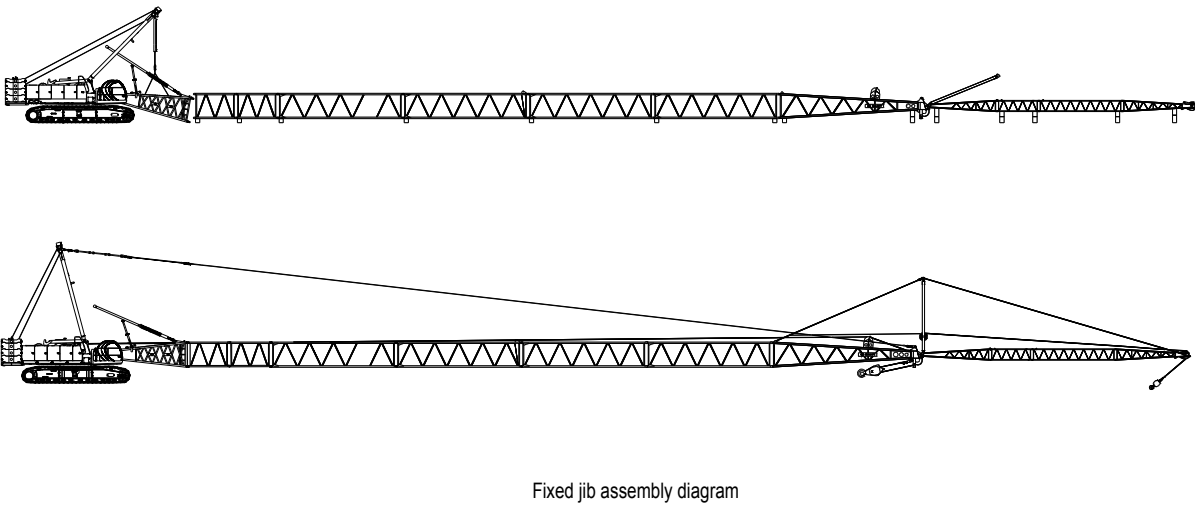


SELF -ASSEMBLY DIAGRAM

3) Boom base assembly

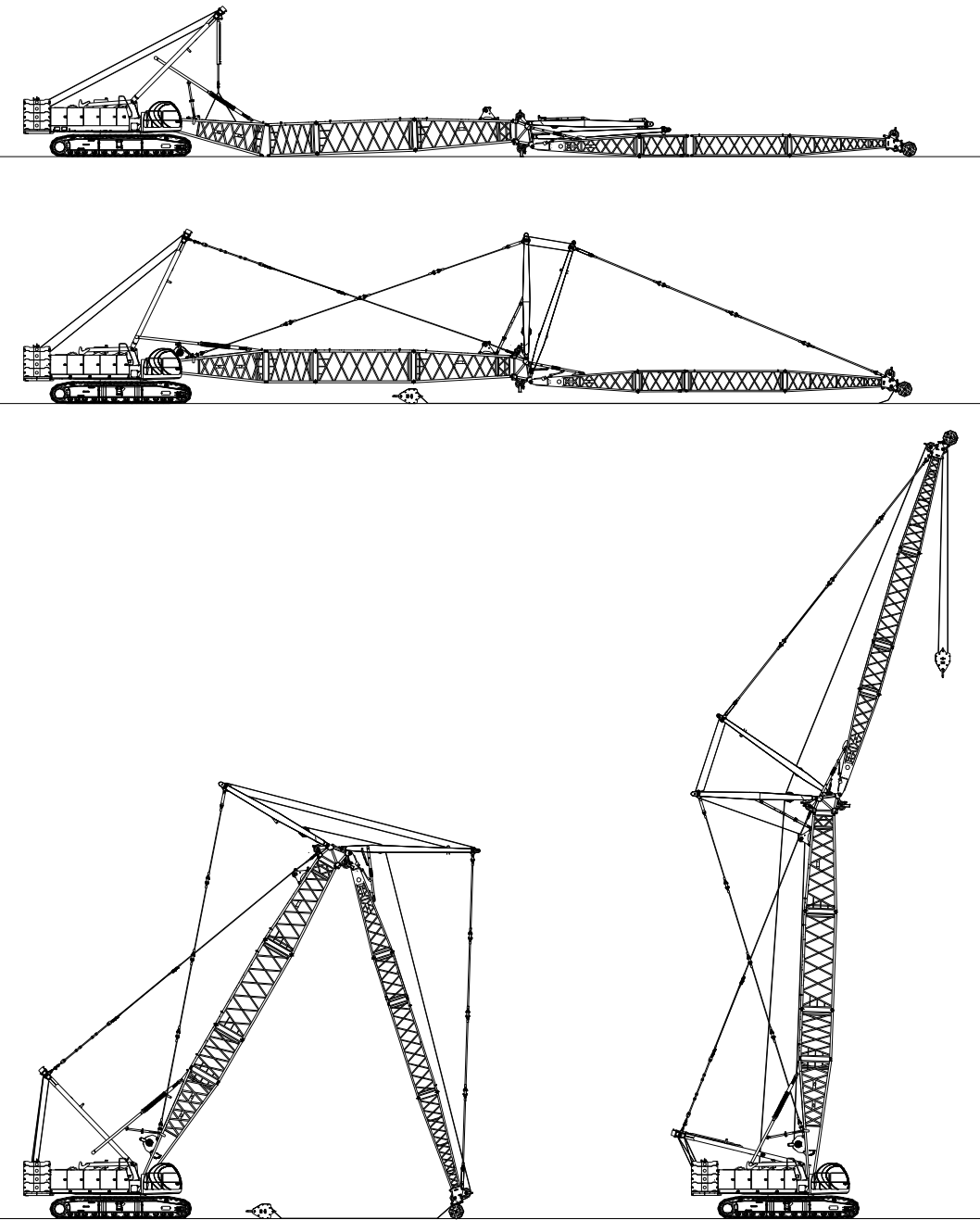


4) Fixed jib assembly



SELF-ASSEMBLY DIAGRAM

Luffing jib assembly



Luffing jib assembly diagram

SCC8200

14	Superstructure
16	Undercarriage
17	Operation Devices
18	Safety Devices

SUPERSTRUCTURE

1) Engine

- Electrically control in-line six-cylinder, water-cooled and four-stroke diesel engine is used, with the rated power of 242kW, with the rated speed of 2100rpm, with the maximum torque of 1424N • m and with the maximum torque speed of 1500rpm.
- The EFI engine is used, which is meet the requirement of European non-road emissions standards.
- The engine is equipped with the air filter, low-noise fan, and composite cooler.
- Fuel tank: The capacity is 400L×2, and there are oil leveler and electronic display for fuel level measurement.

2) Hydraulic System

- The hydraulic system consists of the main hydraulic system, servo control system and auxiliary system.
- Load sensitive LUDV system is adopted, so the flow distribution without the load can be achieved; the closed system is used for swing operation, which is characterized by the fast operation response and smooth action.
- The main pump adopts the variable dual pump and the constant-power open system is adopted, with the system pressure of 320bar.
- The hydraulic proportional pilot control device is adopted for sensitive operation and well micro-mobility.

3) Main and Auxiliary Hoisting Mechanisms

- The main and vice winches can be driven separately, which is characterized by the compact structure and easy installation. And the low-wear and maintenance-free built-in wet brake is adopted to ensure the safety of winch.
- The maximum winch speed can be achieved by the automatic adjustment of displacement of variable hydraulic motor based on load.

- The high-quality non-rotating wire rope is used, which is characterized by the high lifting safety and long service life.

Main hoisting winch

Drum diameter	596mm
Outmost working layer wire speed	0~125m/min
Diameter of wire rope	26mm
Length of wire rope of primary winch	390m
Rated single line pull	13.4t
Spec. of wire rope	Right lang lay

Auxiliary hoisting winch

Drum diameter	596mm
Outmost working layer wire speed	0~125m/min
Diameter of wire rope	26mm
Length of wire rope of vice winch	300m
Rated single line pull	13.4t
Spec. of wire rope	Right lang lay

4) Boom and Jib Luffing Mechanisms

- It is driven by the swing motor and buffered hydraulically, providing 360° rotation.
- Brake: The normally-closed, concealed, wet, spring-loaded and disc brake is used, with spring force as braking force to release the oil pressure.
- Locking: The locking device is set to avoid the impact from the upperworks rotation when the load is traveling or transporting.
- Swing ring: The three-row roller swing ring is adopted.
- Swing speed: 0~2.0r/min.

5) Boom and Jib Luffing Mechanisms

The boom luffing mechanism adopts the double drum.

Boom luffing winch

Drum diameter	460mm
Outmost working layer wire speed	(0~44)×2 m/min
Diameter of wire rope	20mm
Length of wire rope of boom luffing winch	320m
Rated single line pull	9.73t
Spec. of wire rope	Right regular lay

Auxiliary luffing winch

Drum diameter	470mm
Outmost working layer wire speed	2~44m/min
Diameter of wire rope	20mm
Length of wire rope of jib luffing winch	240m
Rated single line pull	6.15t
Spec. of wire rope	Right regular lay

6) Counterweight

Name	Qty.	Piece weight (kg)	Total weight (kg)
Counterweight block	8	5500	44000
Counterweight block	2	3000	6000
Tray counterweight	1	14000	14000
Central counterweight	2	10000	20000
Total weight of all counterweights (kg)		84000	

7) Cab

- Newly designed full-closed cab with SANY unique style; installed with adjustable seat and heating and air conditioning.
- With four near and far beam light.
- With larger-area windows and more open vision.
- The armrest box can be adjusted forwards or backwards with the seat for more comfortable operation, meeting the ergonomic design requirement.
- The cab can be adjusted correspondingly based on operational need, with lifting angle of 20° and with the rotation to front of platform allowed.
- The pitching cable can expand the driver’s operating view, improving the operation safety. Furthermore, the transport width can be reduced due to its rotational feature.

8) Control Operation

- All actions of track traveling device can be achieved through the traveling panel (control lever), with the left track driven by the left traveling panel (control lever) and with the right track driven by the right traveling pedal (control lever). The engine speed can be controlled through the foot throttle or hand throttle. The engine start switch is located on the right armrest box. The boom luffing and primary winch control levers are located on the right armrest box and the vice winch and jib luffing / swing control lever are located on the left armrest box. There is an auxiliary control box at the front of seat, with all switches on the control panel controlled manually, to achieve the corresponding functions.

UNDERCARRIAGE

1) Traveling Device

Each track frame has a independent traveling drive device. The hydraulic traveling motor drives the planetary gear reducer to achieve the independent traveling through the transmission of drive wheel.

2) Traveling Brake

The traveling brake is a normally-closed disc brake embedded in the reducer. That is, the brake state will be activated if the control pedal valve is not pressed down, without adjustment due to automatic compensation. When the control pedal valve is pressed down, the brake will be released to achieve the traveling.

3) Track Shoe

There are 112 track shoes for left and right track traveling device, with the width of 1100mm for each shoe. The tension of track shoe can be adjusted through location of shims adjusted by the hydraulic jack for ideal state.

4) Base

The hydraulic cylinder drive power pin is connected with the track frame for easy installation and dismantlement. The base is of the high-strength steel welded frame structure. The hydraulic power pin is used for the connection with the track frame. The base can be controlled remotely by the wired controller for safety, convenience and reliability. The designed larger chassis can significantly improve the stability of the machine. The weight of undercarriage counterweight is 20t, with 10t distributed at front and rear, to achieve the self-assembly.

5) Traveling Speed

Low speed: 0.6 km/h.
High speed: 1.5 km/h.

OPERATION DEVICES

1) Boom

- Lattice structure with constant section at middle and with the variable section at both ends. The main chord pipe welded with the high-strength steel tube, with the steel plate used to strengthen the boom ends and root, for load transfer. There is a high-strength non-metallic aisle pedal through the whole boom and its working position.
- Standard boom inserts include: 7.5m boom base, 8.5m boom tip, 3m×2 boom insert, 6m×3 boom insert, 11.5m×4boom insert.
- The boom length is between the 16m of basic boom and 86m of longest length, with 3m as a length unit increased or decreased.

2) Luffing Jib

- With lattice structure and with constant section at middle and with the variable section at both ends. The main chord pipe welded with the high-strength steel tube, with the steel plate used to strengthen the boom ends and root, for load transfer.
- Luffing jib inserts include: 6.5m jib tip, 6.5m jib base, 3m×1 jib insert, 6m×2 jib insert, and 11.5m×2 jib insert. They are can be assembled on the boom with the length of 23m~52m. The usable luffing jib length is 22m~51m.

3) Combined Boom

- The combined boom is of the space truss structure with constant section at middle and with the variable section at both ends. The main chord pipe welded with the high-strength steel tube, with the steel plate used to strengthen the boom ends and root, for load transfer.
- Combined boom inserts include: 7.5m boom base, 6m tapered insert, 0.5m boom head, 3m×2 boom insert 6m×3 boom insert, and 11.5m×3 boom insert.
- The combined boom length is between the 23m of basic boom and 72.5m of longest length, with 3m as a length unit increased or decreased.

4) Fixed Jib

- With spatial truss structure and with constant section at middle and with the variable section at both ends. The main chord pipe welded with the high-strength steel tube, with the steel plate used to strengthen the boom ends and root, for load transfer.
- The fixed jib can be assembled on the boom with the length of 28m~71.5m, including the 5m jib tip and 5m jib base. Length × quantity of jib insert: 3m×1 and 6m×3. The usable jib length includes 13m, 19m, 25m and 31m.
- The longest boom and longest jib: 71.5m+31m.

5) Boom Extension

Welded structure, with a pulley at the head, and connected with the upper of boom with a pin

6) Hook

Standard configuration: 200t hook
150t hook
50t hook
13.50t hook
Optional configuration: 25t hook
100t hook

Notes:The operations above for operation equipments are of full configuration, with the specific configuration based on order contract.

SAFETY DEVICES

1) Load Moment Indicator

- A completely separate and secure computer-controlled operating system; LMI can automatically detect the load of cranes and working radius, and the angle of lifting arm, and can compare the rated load capacity and actual load, working radius and boom angle. Under normal operation situation, it can intelligently judge and then automatically cut off the crane action to dangerous direction, having the black box to record the overloading information. Its main components includes the display, main body box, angle sensor and force sensor.

2) Three-color Load Warning Light

It can give an alarm basically according to the moment limiter display load progress bar to reflect the safety status of hanging load.

3) Main and Auxiliary Hoisting Limiter

When the hook lifts to the upper limit, the alarm will be given and the hook lifting action will be cut off simultaneously.

4) Lowering Limiter of Main and Auxiliary Winches

When the wire rope releases to near the last three wraps, the alarm will be given and the electrically control system will automatically cut off the lowering action.

5) Installation/Operation Model Change-over Switch

- At installation model, the over-hoist limit device, boom inhibiting device and torque limiter can not be activated for the installation of crane.
- At working model, all safety limit devices can not work.

6) Boom Luffing Mast One-key Erection

The erection and lowering of boom luffing mast synchronize with the releasing and retracting of wire rope of boom luffing winch.

7) Boom Angle Device

Under different operating condition, the crane boom or jib can operate within the safety angle through the detection of mechanical limit and boom angle signal of force limiting system.

8) Anti-tilting Backwards Device of Boom

- It is of steel pipe structure, with the compression force of spring as supporting force, to prevent the boom backwards tilting.
- There is a cylinder anti-tilting backwards device having automatic oil make-up function on the rear mast of luffing jib, to prevent the mast tilt backwards and to tension the pull plate of rear mast.
- If the angle between the jib and the extension line of boom is 10°, the mechanical anti-tilting backwards device is activated to prevent it roll over backwards.

9) Winch Brake

All winch brakes adopt the spring-loaded normally-closed disc brakes, which is characterized by larger braking force, maintenance-free, safely and reliable operation and long life.

10) Closed Monitoring System

The high-definition camera is used to monitor the real-time sates of the luffing drum, hoisting winch drum and vehicle rear.

11) Self-diagnosis System

It can automatically give the fault and alarm information, and check the electrical circuit for working power state for the rapid elimination of electrical fault.

12) Boom Warning Light

It is installed at the top of boom, for altitude lighting, without boom lowering at night.

13) Anemometer

Installed on the top of boom for real-time monitoring of wind speed; and transmit the data to driver’s cab and display on monitor.

14) Level Gauge

Based on the bubble Level gauge as the calibration reference, the electric Level gauge can show the tilt angle of crane and give the safely working ground environment of crane in real time and high precision way.

Boom angle indictor sign plate

The pendulum angle indicator device is adopted and fixed at one side of boom base near the cab.

15) Hook Block

There is a baffle on each hook to prevent the wire rope fall off.

16) Ground Pressure Real-time Display (optional)

The distribution trends ground pressure caused by track, the effective grounding length, the average and maximum grounding pressure values, the grounding pressure values at all key points and the whole vehicle center of gravity eccentricity can be calculated according to the crane working state in real time.

17) Operation Alarm

Before any operation of crane, the horn should be pressed to give the information that the crane is to be operated and alert all personnel to pay attention to safety.

18) Traveling or Swing Hoist

When traveling or swing traveling, the working alarm lamp will flash and the swing buzzer will whisper.

19) Function Lock

If the function locking handle is not at the proper position, all other function control handle will fail, to prevent the mis-operation due to body impact when getting on or off the vehicle.

If the operator does not sit on the seat, all devices will not work, to effectively avoid some error operations.

20) Automatically Reverse Traveling

Regards of the relative positions of upperworks and undercarriage, if the traveling pedal is pushed forwards, the crane will travel forwards; if pulled backwards, travel backwards correspondingly.

21) Electronic Monitor

It can show the water temperature, fuel level, accumulative total working time, current time, machine oil pressure, engine speed, battery charge status, and voltage. And it is equipped with the primary winch over-hoist alarm, vice winch over-hoist alarm, and boom limit alarm. In case of alarm status, the warning lamp will be on and the buzzer will alarm.

22) Engine Power Limit Load Adjustment and Stall Protection

It can monitor the engine output power in real time, to prevent the engine stopping and stall through the power load adjustment.

23) Monitor Display

The high-precision true color display and the vehicle electrical man-machine dialogue display terminal are adopted, to show the working parameters of engine system, the working state and parameters of hydraulic system, the parameters state of all detection points and output points of electrical system and the real-time parameters under all environmental conditions.

24) Emergency Stop Function

In emergency, press the emergency stop button to cut off power supply and stop all the operations.

25) Optional Lightning Protection Device

Including lightning protection grounding device and surge protective device; it can effectively prevent damage to electrical components and operators under lightning strikes.

26) Lllumination Light

The winch lighting lamp, short-beam lamp at the front of cab, front angle adjustable far-beam lamp, lamp in cab and the lighting device at night are equipped to improve the safety of construction at night.

Counterweight parameters

Name	Qty.	Length (m)	Width (m)	Height (m)	Piece weight (t)
Counterweight block	8	1.90	1.97	0.69	5.5
Counterweight block	2	1.90	1.97	0.41	3
Counterweight Tray	1	6.14	2.14	0.63	14
Central counterweight	2	3.95	1.48	0.73	10

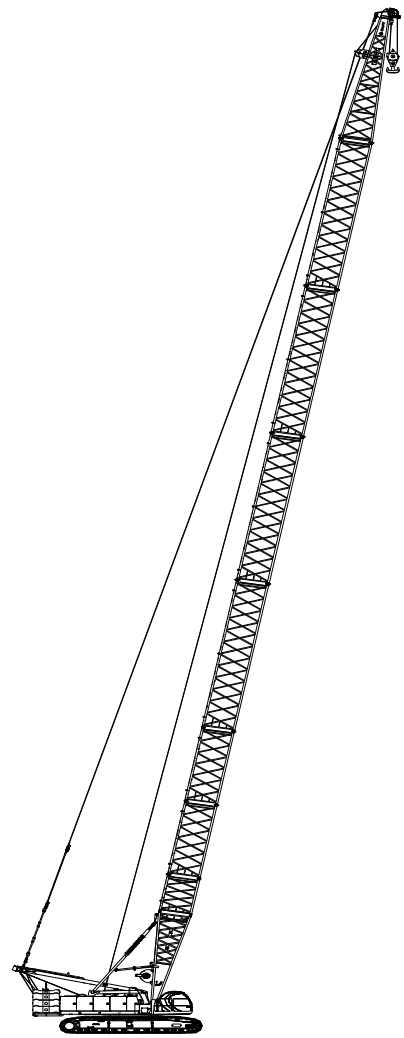
Hook parameters

Name	Max. hoisting capacity	Qty.	Number of pulleys	Rate	Piece weight(t)
200t Hook	200t	1	9	18	3.47
150t Hook	150t	1	7	12	2.57
100t Hook	100t	1	5	8	1.84
50t Hook	50t	1	3	4	0.96
25t Hook	25t	1	1	2	0.75
13.5t Hook	13.5t	1	0	1	0.52

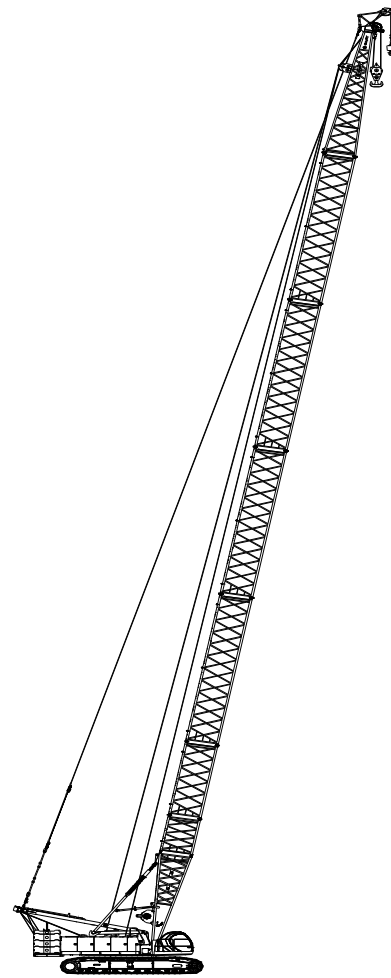
SCC8200

22	Combination of Operating Conditions
24	Boom Tip Combination of H Operating Conditions
29	H Operating Conditions
33	Luffing jib operating conditions
46	Fixed jib operating condition

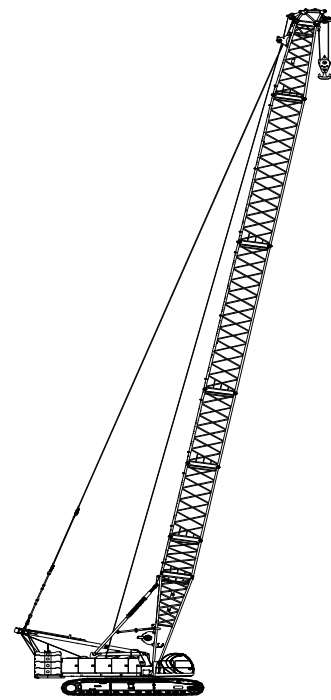
COMBINATION OF OPERATING CONDITIONS



Boom H operating conditions
(16~86)m
(64+20)t

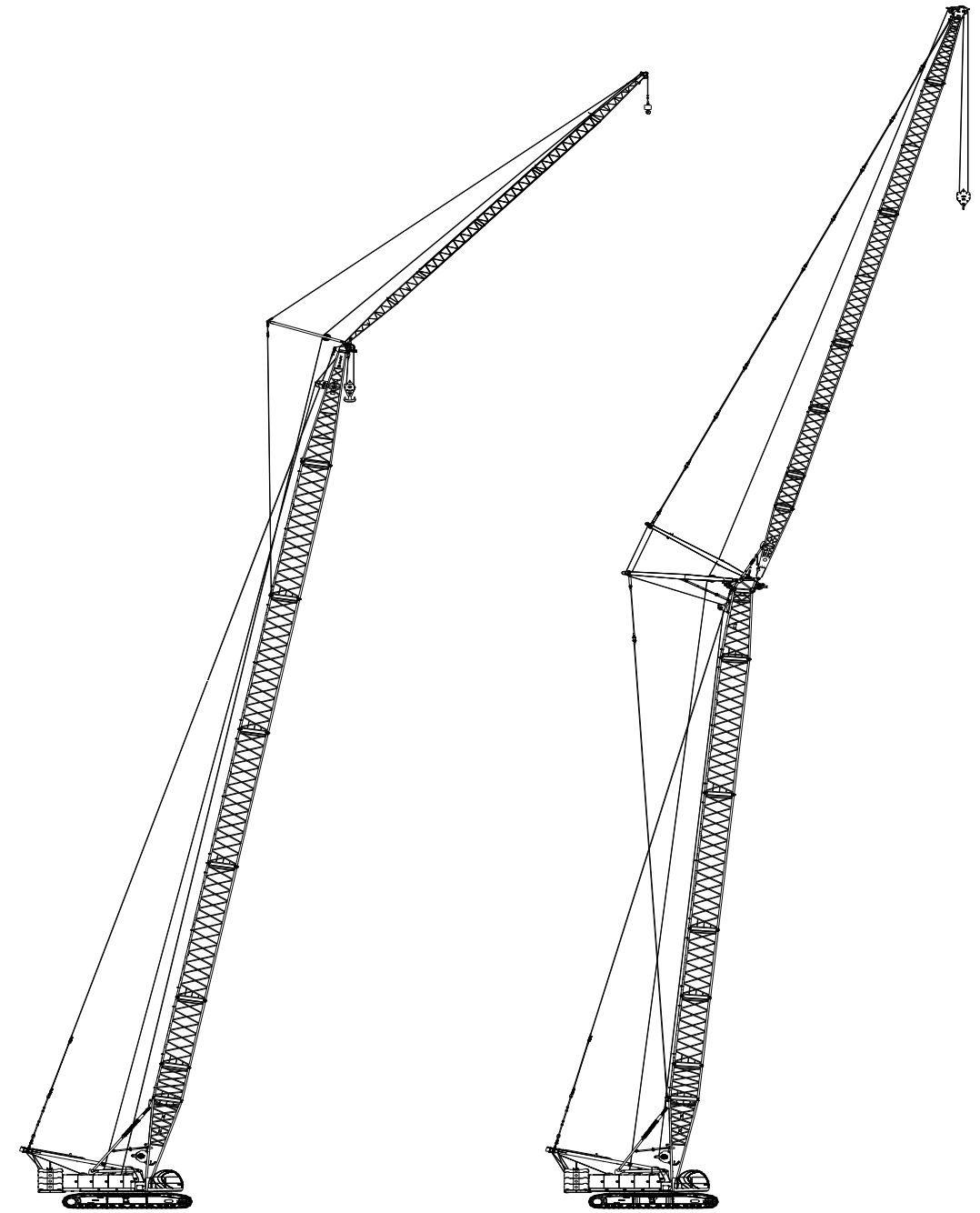


Boom extension HC operating conditions
((16~86)m (64+20)t

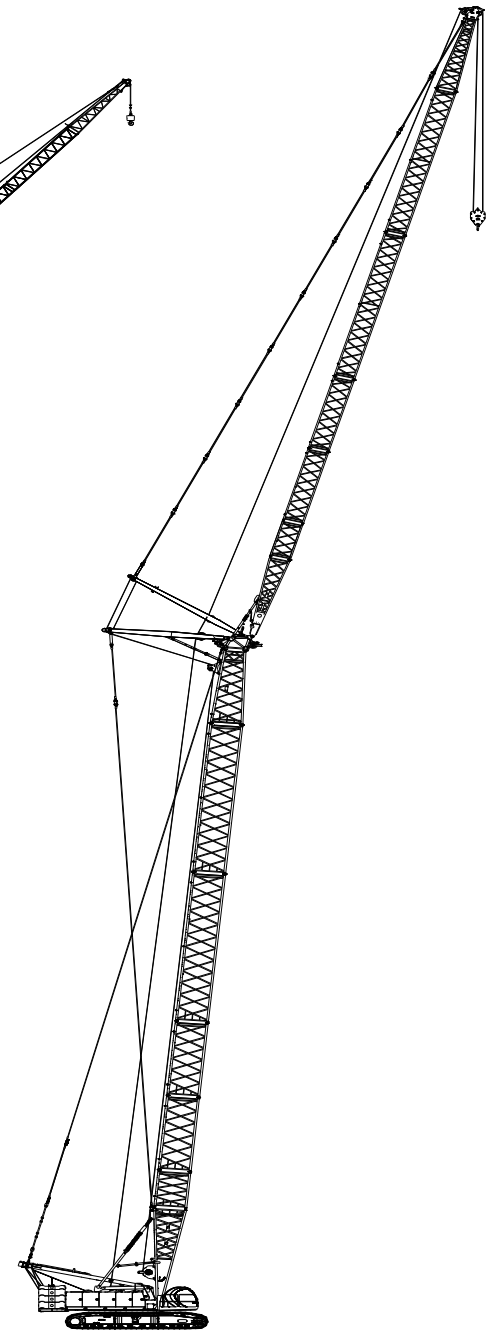


Combined boom Hh operating condition
(23~72.5)m (64+20)t

COMBINATION OF OPERATING CONDITIONS



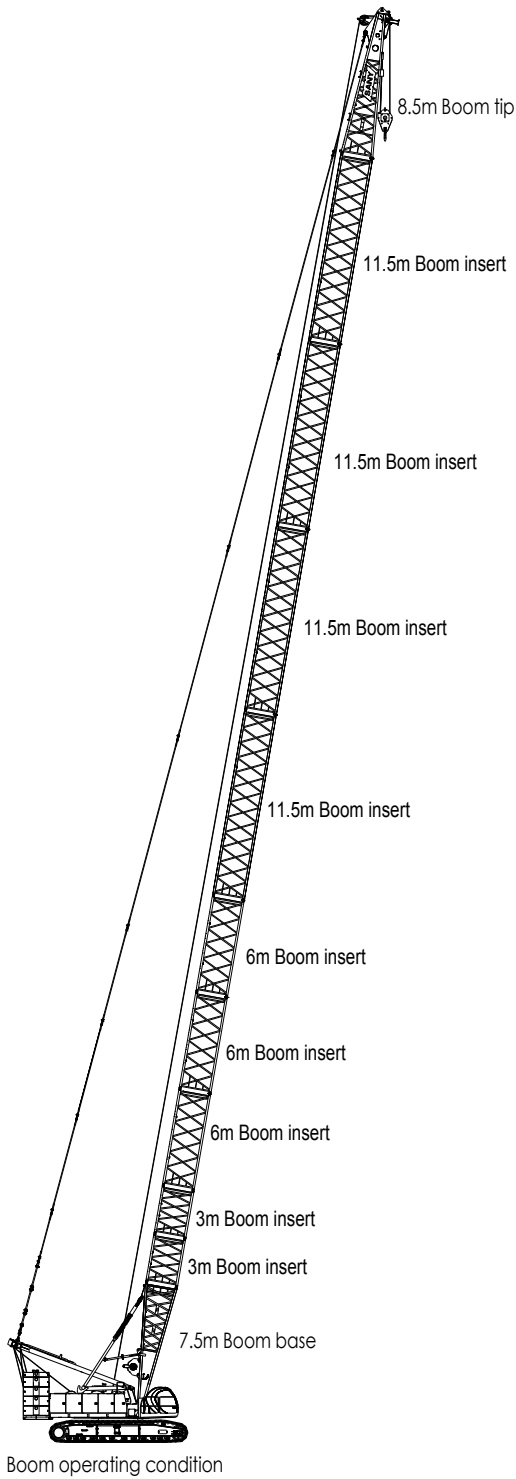
Fixed jib FJ operating conditions
(71.5+31)m
(64+20)t



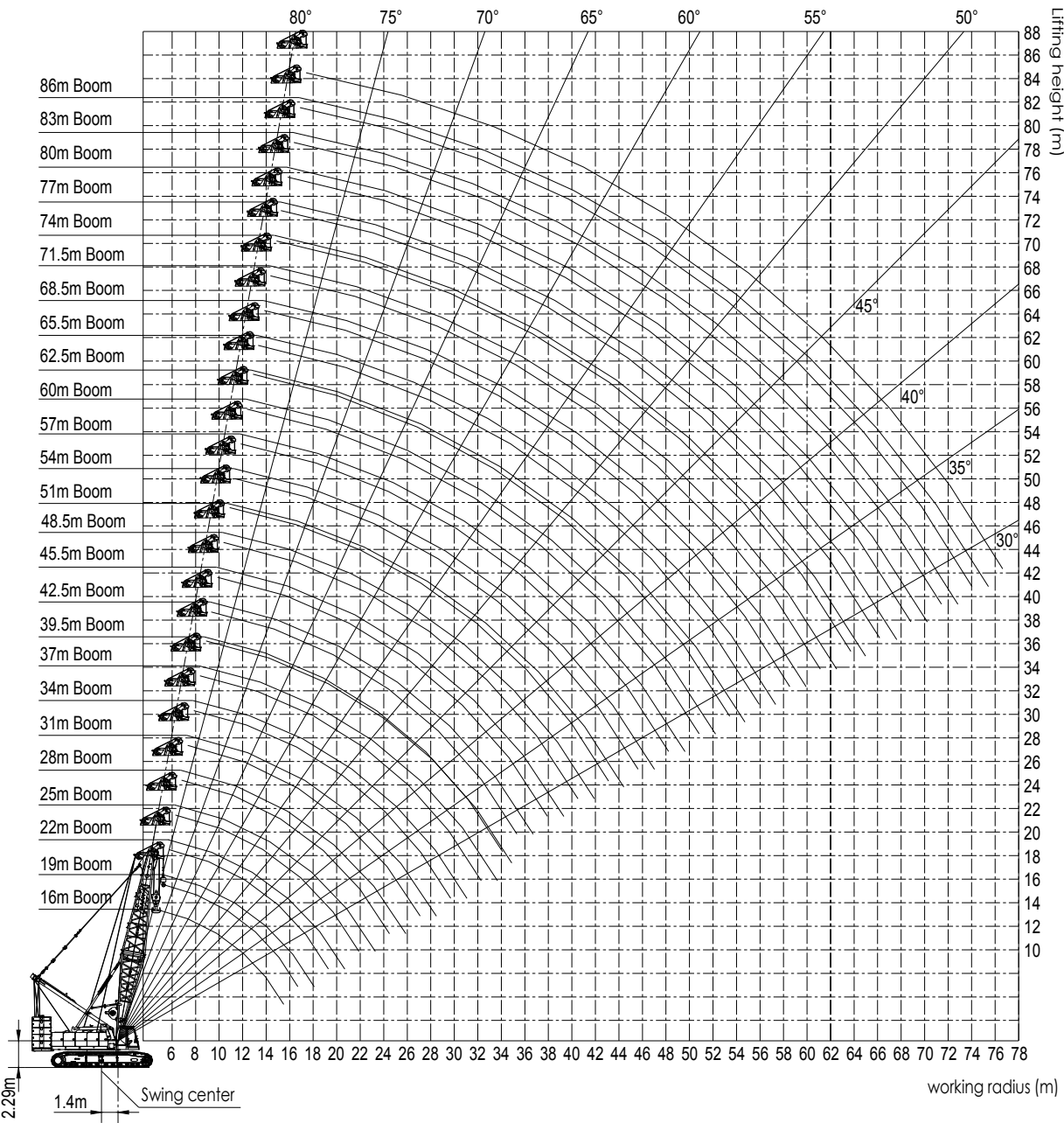
Luffing jib LJ operating conditions
(52+51)m
(64+20)t

BOOM TIP COMBINATION OF H OPERATING CONDITIONS

Basic boom / Boom extension			
Boom length	Boom insert		
(m)	3m	6m	11.5m
16			
19	1		
22		1	
25	1	1	
28		2	
31	1	2	
34		3	
37	1	3	
39.5		2	1
42.5	1	2	1
45.5		3	1
48.5	1	3	1
51		2	2
54	1	2	2
57		3	2
60	1	3	2
62.5		2	3
65.5	1	2	3
68.5		3	3
71.5	1	3	3
74		2	4
77	1	2	4
80		3	4
83	1	3	4
86	2	3	4



H OPERATING CONDITIONS AND BOOM EXTENSION HC OPERATING CONDITIONS RANGE DIAGRAM



H OPERATING CONDITIONS LOAD CHART

- Note:**
1. The rated load in chart is a maximum allowable value under the condition that the load is stably lifted from the level and hard ground without traveling.

2. The rated load in chart is calculated based on the 75% of tipping load at the wind speed of below 9.8m/s. The load value is based on t as unit. The actual lifting capacity is a value that the rated lifting capacity is deducted by the weight of main and auxiliary hooks. Lifting capacity as follows:

■ 200t hook——3.829t

■ 150t hook——2.916t

■ 100t hook——1.99t

■ 50t hook——1.057t

■ 25t hook——0.791t

■ 13.5t hook——0.529t

3. The values in load chart are available for 360° rotation.

4. The length of mountable boom is 16m ~ 86m
- H OPERATING CONDITIONS LOAD CHART
- SCC8200 crawler crane

H operating condition load chart 1/2

Unit: (t)

Radius(m)	Boom length (m)											
	16	19	22	25	28	31	34	37	39.5	42.5	45.5	48.5
5	200/4.6m	162/5.2m	142.7/5.7m	——	——	——	——	——	——	——	——	——
6	162	152	141	134.4/6.2m	131.0/6.8m	——	——	——	——	——	——	——
7	145.9	138.9	135.5	132.0	130.0	128.5/7.3m	109.2/7.8m	——	——	——	——	——
8	132.0	132.0	130.0	129.0	125.0	120.0	108.0	104.8/8.3m	93.8/8.8m	——	——	——
9	114.0	114.0	114.0	111.0	108.0	105.0	102.0	97.9	92.5	91.3/9.3m	75.0/9.8m	——
10	97.4	97.4	97.4	97.4	95.3	92.7	90.4	88.0	86.1	85.3	74.8	76.5/10.3m
11	84.5	84.5	84.5	84.5	84.5	82.7	80.9	78.9	77.3	76.7	73.8	72.0
12	74.5	74.5	74.5	74.5	74.5	74.5	73.1	71.4	70.1	69.5	67.0	65.6
13	66.5	66.5	66.5	66.5	66.5	66.5	66.5	65.2	64.0	63.5	61.3	60.0
14	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.8	58.8	58.4	56.5	55.3
15	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	53.7	53.9	52.3	51.2
16	——	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.9	49.8	48.5	47.6
17	——	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	45.3	44.5
18	——	41.4	41.4	41.4	41.4	41.4	41.4	41.4	42.3	42.5	42.3	41.6
19	——	——	39.7	39.7	39.7	39.7	39.7	39.6	39.5	39.5	39.3	39.0
20	——	——	38.0	37.1	37.1	37.0	37.0	37.0	36.8	36.8	36.6	36.5
22	——	——	——	32.6	32.6	32.5	32.5	32.5	32.3	32.3	32.1	32.0
24	——	——	——	——	29.0	28.9	28.9	28.8	28.7	28.7	28.5	28.3
26	——	——	——	——	——	25.8	25.8	25.8	25.7	25.7	25.5	25.3
28	——	——	——	——	——	23.3	23.3	23.3	23.2	23.2	23.0	22.8
30	——	——	——	——	——	——	21.3	21.1	21.0	21.0	20.8	20.6
32	——	——	——	——	——	——	——	19.2	19.1	19.1	18.9	18.8
34	——	——	——	——	——	——	——	——	17.2	17.5	17.3	17.1
36	——	——	——	——	——	——	——	——	——	16.0	15.9	15.7
38	——	——	——	——	——	——	——	——	——	14.5	14.6	14.4
40	——	——	——	——	——	——	——	——	——	——	13.5	13.3
42	——	——	——	——	——	——	——	——	——	——	——	12.3
44	——	——	——	——	——	——	——	——	——	——	——	11.3
46	——	——	——	——	——	——	——	——	——	——	——	——
48	——	——	——	——	——	——	——	——	——	——	——	——
50	——	——	——	——	——	——	——	——	——	——	——	——
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	18	14	12	11	11	10	9	8	8	7	6	6
- Notes: 1. The actual lifting capacity is a value that the rated lifting capacity in the table is deducted by the weight of all hooks.

2. The rated lifting capacity in table is a value under the condition that the load is lifted slowly and smoothly from the level and hard ground without traveling.

3. The part marked with grey color in table is determined by the structure strength.
- 26
- 27

H OPERATING CONDITIONS LOAD CHART

SCC8200 crawler crane
H operating condition load chart 2/2

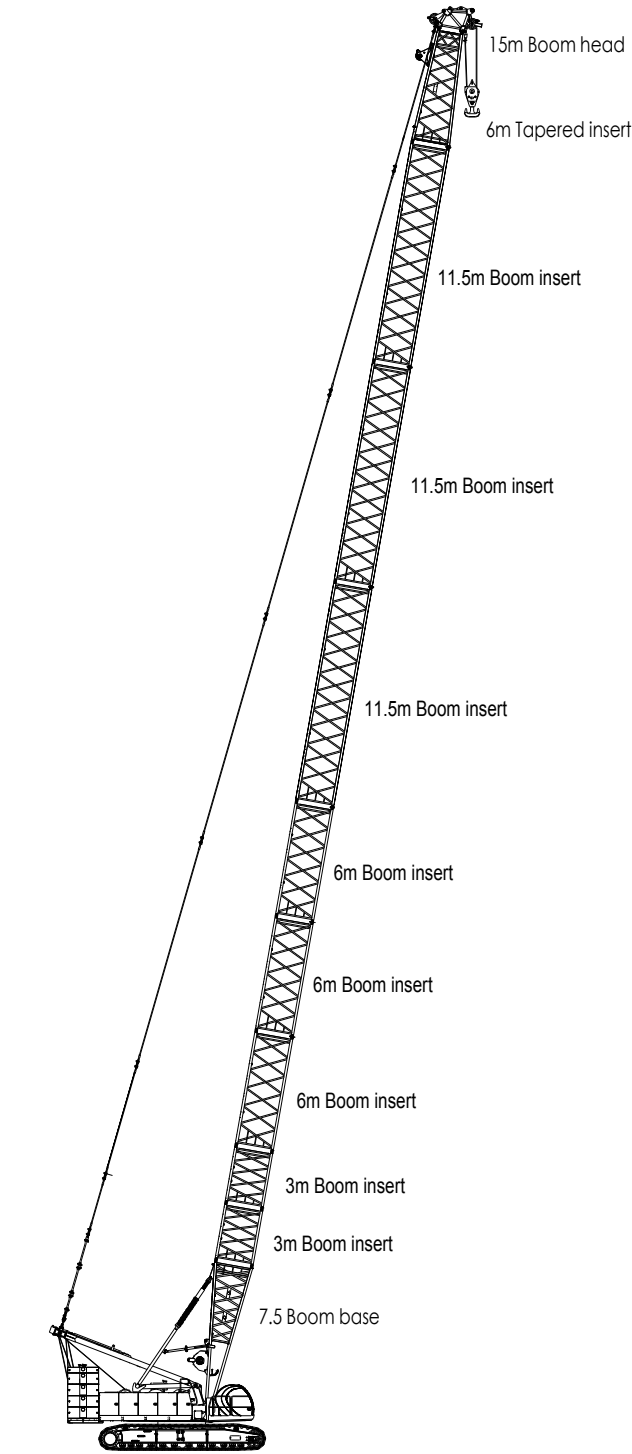
Unit: (t)

Radius(m)	Boom length (m)													
	51	54	57	60	62.5	65.5	68.5	71.5	74	77	80	83	86	
10	70.3/10.7m													
11	68.8	66.6/11.2m	63.7/11.8m											
12	63.8	62.6	62.5	53.6/12.3m	50.8/12.7m									
13	58.9	57.6	56.5	52.6	50.6	48.6/13.2m	43.7/13.7m							
14	54.3	53.2	52.1	51.1	49.9	47.0	43.4	39.8/14.3m	36.9/14.7m					
15	50.3	49.3	48.4	47.4	46.6	45.0	42.3	39.1	36.6	32.8/15.2m	30.9/15.7m			
16	46.8	45.8	45.0	44.1	43.4	42.6	40.9	38.1	35.7	32.2	30.7	27.6/16.3m		
17	43.7	42.8	42.0	41.3	40.6	39.7	39.0	37.2	34.8	31.4	29.9	27.0	25.6	
18	40.9	40.1	39.4	38.7	38.0	37.3	36.6	35.5	33.9	30.5	29.0	26.2	24.8	
19	38.4	37.7	37.0	36.3	35.8	35.0	34.3	33.7	32.6	29.7	28.2	25.5	24.1	
20	36.2	35.5	34.9	34.2	33.7	33.0	32.4	31.8	31.1	28.9	27.4	24.8	23.4	
22	31.9	31.6	31.2	30.5	30.0	29.4	28.9	28.3	27.8	26.9	26.0	23.4	22.2	
24	28.2	28.1	27.9	27.5	27.0	26.4	25.9	25.4	24.9	24.3	23.9	22.2	21.0	
26	25.2	25.0	24.9	24.8	24.5	23.9	23.4	23.0	22.5	21.9	21.5	20.7	20.1	
28	22.7	22.5	22.3	22.2	22.0	21.7	21.3	20.9	20.4	19.8	19.4	18.8	18.4	
30	20.5	20.3	20.2	20.1	19.9	19.7	19.4	19.0	18.6	18.0	17.6	17.0	16.8	
32	18.7	18.5	18.3	18.2	18.0	17.8	17.6	17.3	16.9	16.3	16.1	15.5	15.1	
34	17.0	16.8	16.7	16.6	16.4	16.2	16.0	15.8	15.5	14.9	14.6	14.0	13.8	
36	15.6	15.4	15.2	15.1	14.9	14.7	14.6	14.4	14.2	13.6	13.4	12.8	12.6	
38	14.3	14.1	14.0	13.9	13.7	13.5	13.3	13.1	12.9	12.4	12.2	11.6	11.4	
40	13.2	13.0	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.4	11.2	10.6	10.4	
42	12.2	12.0	11.8	11.7	11.5	11.3	11.2	11.0	10.8	10.4	10.2	9.7	9.5	
44	11.2	11.1	10.9	10.8	10.6	10.4	10.3	10.1	9.8	9.6	9.4	8.8	8.6	
46		10.2	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.0	7.8	
48		9.3	9.3	9.2	9.0	8.8	8.7	8.5	8.2	8.0	7.8	7.3	7.1	
50			8.7	8.5	8.3	8.1	8.0	7.8	7.5	7.3	7.1	6.6	6.4	
52				7.8	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.0	5.8	
54					7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.4	5.2	
56						6.3	6.2	6.0	5.8	5.5	5.3	4.9	4.7	
58						5.7	5.7	5.5	5.2	5.0	4.8	4.4	4.2	
60							5.2	5.0	4.8	4.5	4.3	3.9	3.7	
62								4.5	4.3	4.1	3.9	3.5	3.3	
64									3.9	3.7	3.5	3.1		
66										3.3	3.1			
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	
Falls	5	5	5	5	4	4	4	4	3	3	3	3	2	

Notes: 1. The actual lifting capacity is a value that the rated lifting capacity in the table is deducted by the weight of all hooks.
2. The rated lifting capacity in table is a value under the condition that the load is lifted slowly and smoothly from the level and hard ground without traveling.
3. The part marked with grey color in table is determined by the structure strength.

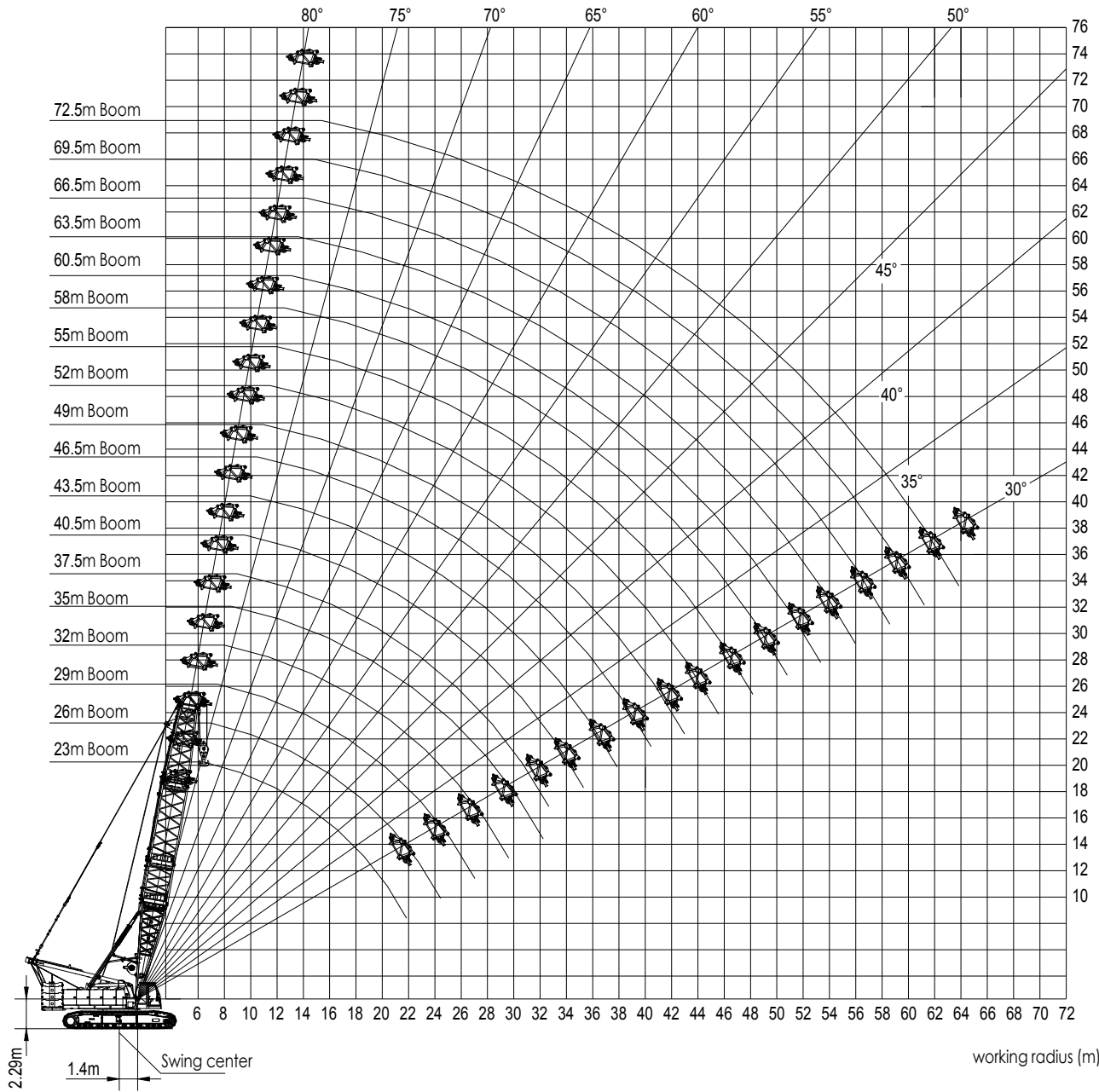
H OPERATING CONDITIONS

Boom length (m)	Combined boom Boom insert		
	3m	6m	11.5m
23	1	1	
26		2	
29	1	2	
32		3	
35	1	3	
37.5		2	1
40.5	1	2	1
43.5		3	1
46.5	1	3	1
49		2	2
52	1	2	2
55		3	2
58	1	3	2
60.5		2	3
63.5	1	2	3
66.5		3	3
69.5	1	3	3
72.5	2	3	3



Combined boom operating conditon

H OPERATING CONDITIONS RANGE DIAGRAM



H OPERATING CONDITIONS
LOAD CHART

SCC8200 crawler crane – Hh operating condition load chart 1/2

Boom length of 23~72.5m Rear counterweight of 64t Central ballast of 20t Unit: (t)

Radius (m)	Boom length (m)									
	23	26	29	32	35	37.5	40.5	43.5	46.5	49
6	100.0									
7	100.0	100.0	100.0							
8	100.0	100.0	100.0	100.0	100.0					
9	100.0	100.0	100.0	100.0	100.0	98.0	88.4			
10	97.4	96.8	94.1	91.8	89.3	87.4	85.1	82.5	76.1	
11	84.5	84.6	83.9	82.0	80.0	78.3	76.4	74.7	72.9	69.9
12	74.5	74.5	74.4	74.0	72.3	70.9	69.3	67.8	66.3	65.0
13	66.4	66.5	66.4	66.5	65.9	64.7	63.2	62.0	60.6	59.5
14	59.9	59.9	59.8	60.0	59.8	59.3	58.1	57.0	55.8	54.9
15	54.4	54.4	54.3	54.5	54.4	54.3	53.6	52.7	51.7	50.8
16	49.8	49.8	49.7	49.9	49.7	49.6	49.4	48.9	48.0	47.2
17	45.8	45.8	45.7	45.9	45.7	45.6	45.5	45.5	44.8	44.0
18	42.3	42.4	42.3	42.4	42.3	42.2	42.0	42.0	41.8	41.2
19	39.3	39.4	39.3	39.4	39.3	39.2	39.0	39.0	38.8	38.5
20	36.6	36.7	36.6	36.8	36.6	36.5	36.3	36.3	36.1	36.0
22		32.2	32.1	32.3	32.1	32.0	31.8	31.8	31.6	31.5
24		28.5	28.5	28.6	28.5	28.4	28.2	28.2	28.0	27.9
26			25.4	25.6	25.5	25.4	25.2	25.2	25.0	24.9
28				23.1	22.9	22.8	22.6	22.7	22.5	22.4
30					20.8	20.7	20.5	20.5	20.3	20.2
32					18.1	18.2	18.6	18.6	18.4	18.3
34						16.6	17.0	17.0	16.8	16.7
36							15.0	15.6	15.4	15.3
38								13.6	14.1	14.0
40									12.2	12.8
42									11.2	11.8
44										10.2
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	8	8	8	8	8	8	7	7	6	6

Notes: 1. The actual lifting capacity is a value that the rated lifting capacity in the table is deducted by the weight of all hooks.
2. The rated lifting capacity in table is a value under the condition that the load is lifted slowly and smoothly from the level and hard ground without traveling.

H OPERATING CONDITIONS
LOAD CHART

SCC8200 crawler crane – Hh operating condition load chart 2/2

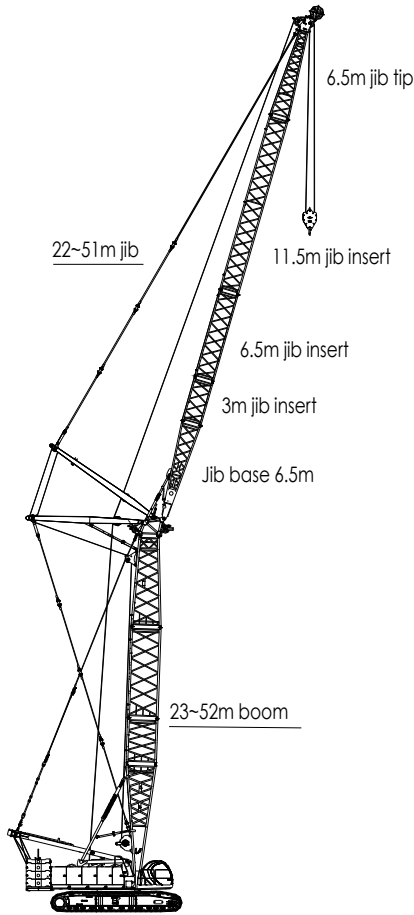
Boom length of 23 ~ 72.5m Rear counterweight of 64t Central ballast of 20t Unit: (t)

Radius (m)	Boom length (m)							
	52	55	58	60.5	63.5	66.5	69.5	72.5
11	63.9							
12	62.1	57.1	51.7					
13	58.2	55.3	51.0	47.2				
14	53.7	52.6	49.6	46.1	42.2	38.7		
15	49.7	48.8	47.5	44.9	41.0	37.7	34.6	31.6
16	46.2	45.4	44.5	43.0	40.0	36.7	33.6	30.5
17	43.1	42.3	41.6	40.9	38.9	35.7	32.7	29.7
18	40.4	39.7	39.0	38.3	37.0	34.7	31.8	28.7
19	37.9	37.3	36.6	36.0	35.3	33.6	30.9	28.0
20	35.7	35.1	34.4	33.9	33.2	32.1	30.0	27.1
22	31.4	31.2	30.7	30.2	29.6	29.1	27.9	26.0
24	27.7	27.6	27.4	27.1	26.6	26.1	25.6	25.1
26	24.7	24.5	24.4	24.2	23.9	23.5	23.1	22.6
28	22.2	22.0	21.9	21.7	21.5	21.3	20.9	20.5
30	20.0	19.8	19.7	19.5	19.3	19.2	19.0	18.7
32	18.1	18.0	17.9	17.7	17.5	17.3	17.1	16.9
34	16.5	16.3	16.2	16.0	15.8	15.7	15.5	15.3
36	15.1	14.9	14.8	14.6	14.4	14.3	14.1	13.8
38	13.8	13.6	13.5	13.3	13.1	13.0	12.8	12.6
40	12.7	12.5	12.4	12.2	12.0	11.9	11.7	11.4
42	11.7	11.5	11.4	11.2	11.0	10.8	10.6	10.4
44	10.7	10.6	10.5	10.3	10.1	9.9	9.7	9.5
46	9.2	9.7	9.6	9.4	9.2	9.1	8.9	8.7
48		8.3	8.8	8.7	8.5	8.3	8.1	7.9
50			8.1	7.9	7.7	7.6	7.4	7.2
52			6.7	7.3	7.1	7.0	6.8	6.5
54				6.0	6.5	6.4	6.2	5.9
56					5.3	5.8	5.6	5.4
58						4.6	5.1	4.9
60							4.6	4.4
62							3.4	3.1
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	5	5	4	4	4	3	3	3

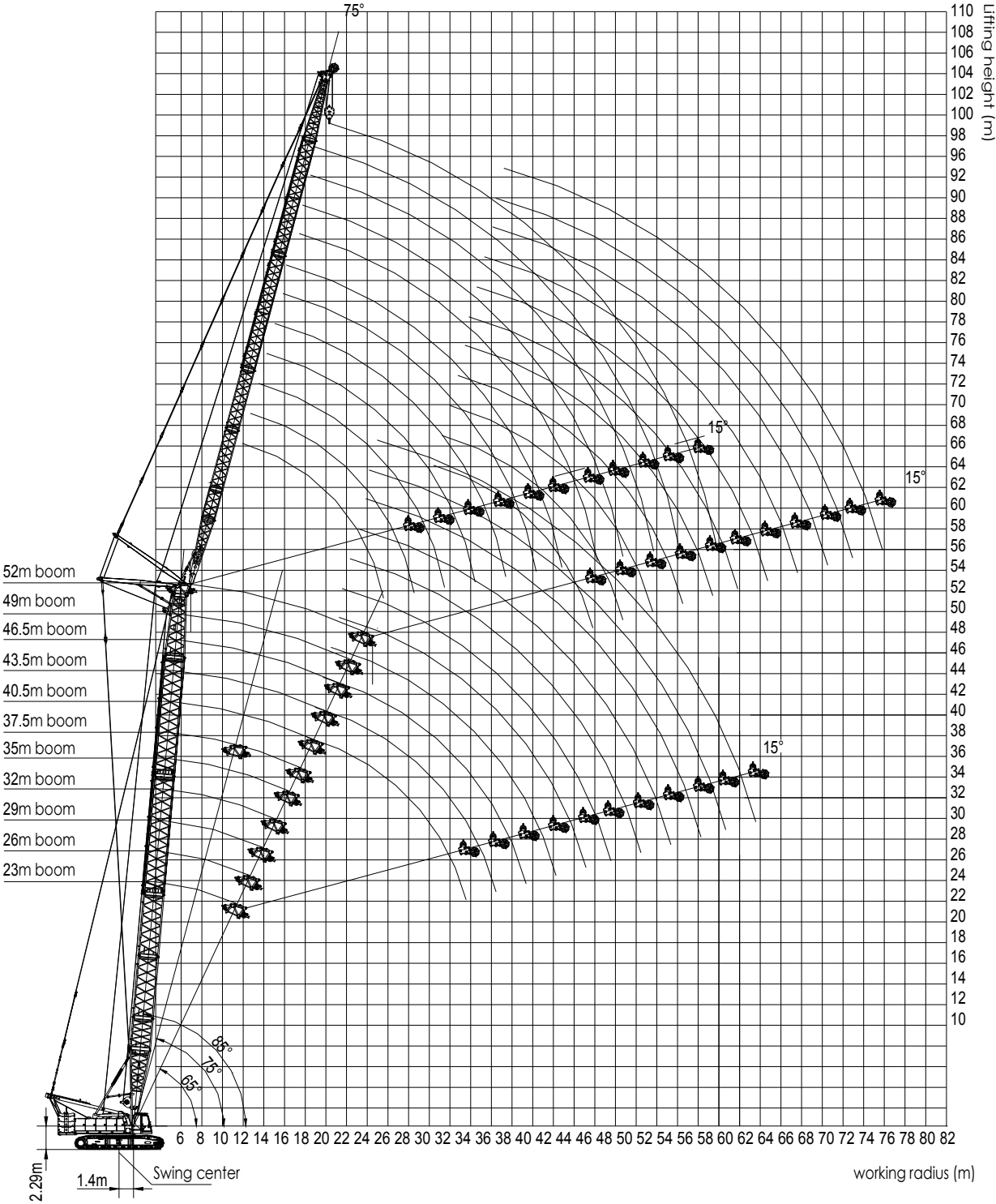
Notes: 1. The actual lifting capacity is a value that the rated lifting capacity in the table is deducted by the weight of all hooks.
2. The rated lifting capacity in table is a value under the condition that the load is lifted slowly and smoothly from the level and hard ground without traveling.

LUFFING JIB OPERATING CONDITIONS

Jib length (m)	Jib insert			Boom length (m)	Boom angle
	3m	6m	11.5m		
22	1	1	–	23~52	65° ~85°
25	–	2	–	23~52	65° ~85°
28	1	2	–	23~52	65° ~85°
30.5	–	1	1	23~52	65° ~85°
33.5	1	1	1	23~52	65° ~85°
36.5	–	2	1	23~52	65° ~85°
39.5	1	2	1	23~52	65° ~85°
42	–	1	2	23~52	65° ~85°
45	1	1	2	23~52	65° ~85°
48	–	2	2	23~52	65° ~85°
51	1	2	2	23~52	65° ~85°



LUFFING JIB RANGE DIAGRAM



LUFFING JIB CONDITION LOAD CHART

- Note:**
- 1. The rated load in chart is a maximum allowable value under the condition that the load is stably lifted from the level and hard ground without traveling.
 - 2. The rated load in chart is calculated based on the 75% of tipping load at the wind speed of below 9.8m/s. The load value is based on t as unit. The actual lifting capacity is a value that the rated lifting capacity is deducted by the weight of main and auxiliary hooks. Lifting capacity as follows:
 - 100t hook——1.99t
 - 50t hook——1.057t
 - 25t hook——0.791t
 - 13.5t hook——0.529t
 - 3. The values in load chart are available for 360° rotation.

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 23m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
10	60.6										
12	54.1	53.6	53.6								
14	48.0	48.0	47.8	47.7	43.1						
16	41.5	41.3	40.9	40.6	38.2	34.8	30.9	27.0			
18	34.9	34.7	34.3	34.0	33.2	32.1	28.6	25.1	21.5	18.6	15.7
20	29.9	29.8	29.7	29.7	29.4	29.2	26.1	23.1	20.1	17.3	14.6
22	26.0	25.9	25.8	25.8	25.4	25.0	23.0	21.1	18.6	16.0	13.5
24	22.9	22.8	22.7	22.7	22.0	21.1	20.1	19.2	17.3	14.9	12.5
26		21.0	20.7	20.4	20.0	19.6	18.8	18.0	16.2	13.9	11.6
28		19.1	19.0	18.9	18.6	18.3	17.6	16.9	15.1	13.0	10.8
30			17.2	17.0	16.8	16.5	16.1	15.8	14.2	12.2	10.1
32				15.4	15.1	14.7	14.3	13.9	12.7	11.0	9.3
34					13.5	14.0	13.5	13.0	11.8	10.3	8.8
36						12.8	12.3	11.9	10.8	9.5	8.2
38							11.2	10.8	10.0	8.8	7.7
40							10.0	9.8	9.1	8.2	7.2
42								8.6	7.9	7.3	6.6
44									6.7	6.4	6.1
46										5.5	5.5
48										4.6	5.0
50											4.4
Falls	5	5	5	4	4	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 26m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
12	54.1	49.8									
14	47.7	47.7	47.7	47.7							
16	40.5	40.5	40.5	40.5	38.1	34.8	30.9	27.0			
18	34.0	34.6	34.6	34.6	33.6	32.1	28.6	25.1	21.5	18.6	
20	29.8	29.7	29.7	29.7	29.7	29.7	26.4	23.2	20.1	17.3	14.6
22	25.0	25.0	25.0	25.0	25.0	25.0	23.0	21.1	18.6	16.0	13.5
24	23.6	22.7	22.7	22.7	22.7	22.7	21.1	19.5	17.3	14.9	12.5
26		21.0	20.7	20.4	20.4	20.4	19.3	18.2	16.2	13.9	11.6
28		18.9	18.6	18.3	18.3	18.3	17.6	16.9	15.1	13.0	10.8
30			16.4	16.5	16.5	16.5	16.1	15.8	14.2	12.2	10.1
32				15.4	15.4	15.4	15.1	14.8	13.4	11.4	9.5
34				14.0	14.0	14.0	14.0	13.9	12.7	10.8	8.9
36					12.6	12.8	12.8	12.8	11.7	10.0	8.3
38						11.7	11.7	11.7	10.7	9.3	7.8
40							10.7	10.7	10.7	9.9	8.6
42								9.8	9.8	9.0	7.9
44									8.5	7.8	7.1
46										7.0	6.4
48										6.1	5.6
50											5.4
52											
Falls	5	4	4	4	3	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 29m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
11	55.6										
12	54.1	53.3									
14	48.6	48.6	48.6	48.6	44.8						
16	42.2	42.2	42.2	42.2	39.2	35.0	31.2				
18	35.4	35.1	34.8	34.6	33.6	32.3	28.8	25.2	21.8	18.8	
20	30.3	30.0	30.0	30.0	29.8	29.5	26.4	23.3	20.2	17.4	14.7
22	26.3	26.0	26.0	26.0	25.9	25.8	23.5	21.3	18.7	16.1	13.5
24	23.9	23.2	23.0	22.9	22.7	22.5	21.0	19.5	17.4	14.9	12.5
26	21.3	20.8	20.7	20.6	20.4	20.3	19.2	18.1	16.2	13.9	11.7
28		19.0	18.7	18.3	18.2	18.1	17.5	16.9	15.2	13.0	10.9
30			16.7	16.6	16.5	16.4	16.1	15.8	14.3	12.2	10.1
32			15.7	15.6	15.4	15.3	15.1	14.9	13.5	11.5	9.5
34				14.1	14.1	14.1	14.1	14.0	12.7	10.8	8.9
36					13.0	12.9	12.8	12.8	11.7	10.0	8.3
38						11.2	11.4	11.6	10.7	9.3	7.8
40						10.8	10.8	10.8	9.9	8.6	7.3
42							10.3	10.0	9.2	8.0	6.9
44								8.8	8.1	7.2	6.3
46									7.1	6.5	6.0
48									6.1	5.9	5.6
50										5.2	5.2
52											5.1
54											4.9
Falls	5	5	4	4	4	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 32m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
11	54.1										
12	54.1	53.6									
14	48.9	48.4	48.0	46.6							
16	42.7	42.4	42.0	41.6	38.8	35.0	31.4				
18	35.7	35.4	35.1	34.8	33.8	32.5	28.9	25.3	21.7	18.8	
20	30.5	30.3	30.2	30.1	29.9	29.6	26.4	23.3	20.2	17.5	14.8
22	27.4	26.5	26.4	26.3	26.0	25.7	23.5	21.3	18.8	16.2	13.6
24	24.0	23.3	23.2	23.1	22.8	22.5	21.0	19.6	17.4	15.0	12.6
26	20.9	20.9	20.7	20.6	20.5	20.4	19.3	18.2	16.3	14.0	11.7
28		18.6	18.5	18.4	18.4	18.4	17.7	16.9	15.2	13.0	10.9
30			17.3	17.2	17.0	16.8	16.3	15.9	14.3	12.2	10.1
32			15.8	15.7	15.5	15.4	15.1	14.9	13.5	11.5	9.5
34				14.1	14.1	14.1	14.0	14.0	12.7	10.8	8.9
36					13.1	13.0	12.9	12.9	11.7	10.0	8.3
38						12.1	12.0	11.8	10.8	9.3	7.8
40						11.0	10.9	10.9	9.9	8.6	7.3
42							10.1	10.0	9.2	8.0	6.9
44								8.8	8.2	7.3	6.4
46									7.3	6.7	6.0
48									6.5	6.1	5.7
50										5.5	5.3
52											5.1
54											4.9
Falls	5	5	4	4	3	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 35m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
12	53.8	53.6									
14	49.2	48.8	48.4	46.0							
16	43.0	42.7	42.3	41.9	38.8	34.4	31.1				
18	35.9	35.7	35.4	35.1	34.0	32.6	29.0	25.4	22.2		
20	30.7	30.5	30.3	30.2	30.0	29.9	26.6	23.4	20.3	17.5	14.8
22	27.5	26.7	26.5	26.4	26.3	26.3	23.9	21.5	18.8	16.2	13.6
24	24.2	23.4	23.3	23.1	22.2	20.9	20.2	19.4	17.5	15.1	12.6
26	21.4	20.7	20.4	20.1	19.5	18.8	18.4	18.0	16.3	14.0	11.7
28		19.2	18.8	18.5	17.8	16.8	16.8	16.8	15.3	13.1	10.9
30			17.6	17.3	17.0	16.7	16.3	15.9	14.3	12.3	10.2
32			16.8	16.5	15.9	15.1	15.0	14.9	13.5	11.5	9.5
34				14.3	14.2	14.2	14.1	14.0	12.7	10.8	8.9
36					13.1	13.0	12.9	12.9	11.7	10.0	8.3
38						11.9	11.7	11.6	10.6	9.2	7.8
40						10.9	10.8	10.8	9.9	8.6	7.3
42							10.1	10.0	9.2	8.0	6.9
44								8.9	8.3	7.3	6.4
46								7.9	7.4	6.7	6.0
48									6.6	6.1	5.7
50										5.5	5.3
52											5.0
54											4.8
Falls	5	5	4	4	3	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 37.5m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
12	54.3	46.6									
14	49.0	46.5	46.5	46.5							
16	43.1	42.8	42.6	42.4	39.3	35.7					
18	36.2	35.9	35.6	35.4	34.2	32.9	29.1	25.5	23.4		
20	30.9	30.6	30.4	30.3	30.2	30.1	26.8	23.5	21.6	19.5	14.7
22	27.8	26.8	26.6	26.5	26.2	26.0	23.7	21.5	18.8	16.2	13.6
24	24.3	23.5	23.4	23.3	22.4	21.4	20.4	19.5	17.5	15.1	12.6
26	21.5	20.8	20.4	20.0	19.1	18.1	17.5	17.1	15.6	13.6	11.7
28		19.2	18.9	18.7	17.8	16.9	16.8	16.8	15.3	13.1	10.9
30			17.6	17.3	17.0	16.7	16.3	15.9	14.4	12.3	10.2
32			16.0	15.7	15.4	15.0	14.9	14.9	13.6	11.6	9.6
34				14.3	14.2	14.0	13.9	13.9	12.6	10.8	8.9
36					13.2	13.0	13.0	13.0	11.8	10.1	8.3
38					12.0	11.9	11.8	11.8	10.8	9.3	7.8
40						10.8	10.6	10.4	9.5	8.4	7.2
42							10.1	9.9	9.2	8.0	6.9
44								9.0	8.3	7.4	6.4
46								8.0	7.5	6.8	6.0
48									7.2	6.5	5.8
50										6.2	5.5
52										6.0	5.2
54											5.1
Falls	5	4	4	4	4	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 43.5m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
12	46.5	46.5									
14	46.5	46.5	45.6								
16	43.2	42.9	42.0	41.2	38.3	35.1					
18	36.7	36.6	36.2	35.9	34.6	33.2	29.2	25.4			
20	31.2	31.1	30.8	30.5	30.5	30.5	27.1	23.7	20.5	17.7	14.9
22	28.0	27.1	27.0	26.9	26.6	26.3	23.9	21.6	19.0	16.4	13.7
24	24.5	23.7	23.6	23.5	22.8	22.1	20.8	19.7	17.6	15.2	12.7
26	21.7	21.0	20.8	20.7	19.6	18.4	18.1	18.0	16.4	14.1	11.8
28		19.4	19.1	18.8	18.3	17.9	17.4	17.0	15.4	13.2	11.0
30		17.5	17.1	16.8	16.3	15.9	15.6	15.4	14.0	12.1	10.1
32			16.2	15.9	15.5	15.1	15.0	14.9	13.6	11.6	9.6
34				14.5	14.3	14.1	13.6	13.1	11.9	10.4	8.9
36					13.0	13.0	12.5	12.1	11.0	9.7	8.3
38					12.0	12.0	11.5	11.1	10.1	8.9	7.7
40						10.9	10.6	10.2	9.3	8.3	7.2
42							9.7	9.3	8.6	7.7	6.8
44							8.7	8.4	7.7	7.0	6.4
46								7.4	6.9	6.4	5.9
48									6.6	6.1	5.7
50										5.8	5.4
52										5.6	5.2
54											4.9
56											4.6
Falls	4	4	4	4	3	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 46.5m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
12	46.5	46.5									
14	46.5	46.5	40.8								
16	42.5	42.1	38.6	35.6	34.4						
18	36.8	36.1	35.6	35.1	34.2	33.1	29.4	25.8			
20	31.5	31.2	30.9	30.7	30.6	30.5	27.2	23.8	20.6	17.8	15.1
22	28.2	27.2	27.1	27.0	26.7	26.4	24.0	21.7	19.0	16.4	13.8
24	24.7	23.8	23.7	23.6	23.0	22.3	21.0	19.8	17.7	15.2	12.7
26	21.9	21.1	20.9	20.8	19.9	18.9	18.5	18.1	16.5	14.2	11.9
28		19.5	19.1	18.8	18.5	18.2	17.6	17.1	15.4	13.2	11.0
30		17.5	17.2	16.9	16.4	16.0	15.8	15.8	14.4	12.3	10.3
32			16.2	15.9	15.6	15.2	15.1	14.9	13.6	11.6	9.6
34				14.4	14.3	14.1	13.7	13.4	12.1	10.5	8.9
36					13.1	13.0	12.8	12.5	11.3	9.8	8.3
38					12.1	12.1	11.7	11.5	10.5	9.1	7.7
40						11.0	10.6	10.4	9.5	8.4	7.2
42							9.7	9.4	8.7	7.7	6.8
44							9.6	9.3	8.6	7.5	6.5
46								8.3	7.6	6.9	6.1
48									6.9	6.3	5.6
50										6.0	5.4
52										5.8	5.2
54											4.9
56											4.6
Falls	4	4	4	3	3	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

SCC8200 crawler crane – Luffing jib load chart

Boom 49m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
14	46.5	35.0									
16	41.6	35.0	35.0	35.0	33.8						
18	36.4	35.0	35.0	35.0	33.7	32.1	28.8	25.7			
20	31.7	31.5	31.2	30.9	30.7	30.6	27.2	23.9	20.6	17.9	
22	28.0	27.4	27.2	27.1	26.8	26.5	24.1	21.8	19.1	16.4	13.8
24	24.8	23.9	23.8	23.7	23.2	22.7	21.2	19.9	17.7	15.2	12.8
26	22.0	21.2	21.0	20.8	20.2	19.4	18.8	18.3	16.5	14.2	11.9
28		18.9	18.6	18.4	17.7	17.0	16.8	16.8	15.3	13.2	11.0
30		17.6	17.2	16.9	16.5	16.2	16.0	15.9	14.5	12.4	10.3
32			16.3	15.9	15.6	15.2	15.1	15.0	13.7	11.6	9.6
34				14.5	14.3	14.1	13.9	13.7	12.5	10.7	8.9
36				13.2	13.1	13.0	12.6	12.2	11.1	9.7	8.3
38					12.1	12.0	11.9	11.9	10.9	9.4	7.9
40						8.1	9.2	10.4	10.0	8.7	7.3
42							7.3	9.3	9.3	8.1	6.9
44							7.3	9.3	8.6	7.5	6.5
46								8.3	7.7	6.9	6.1
48									6.9	6.3	5.7
50									6.2	5.8	5.4
52										5.4	5.2
54											4.9
Falls	4	3	3	3	3	3	3	3	2	2	2

LUFFING JIB CONDITION LOAD CHART

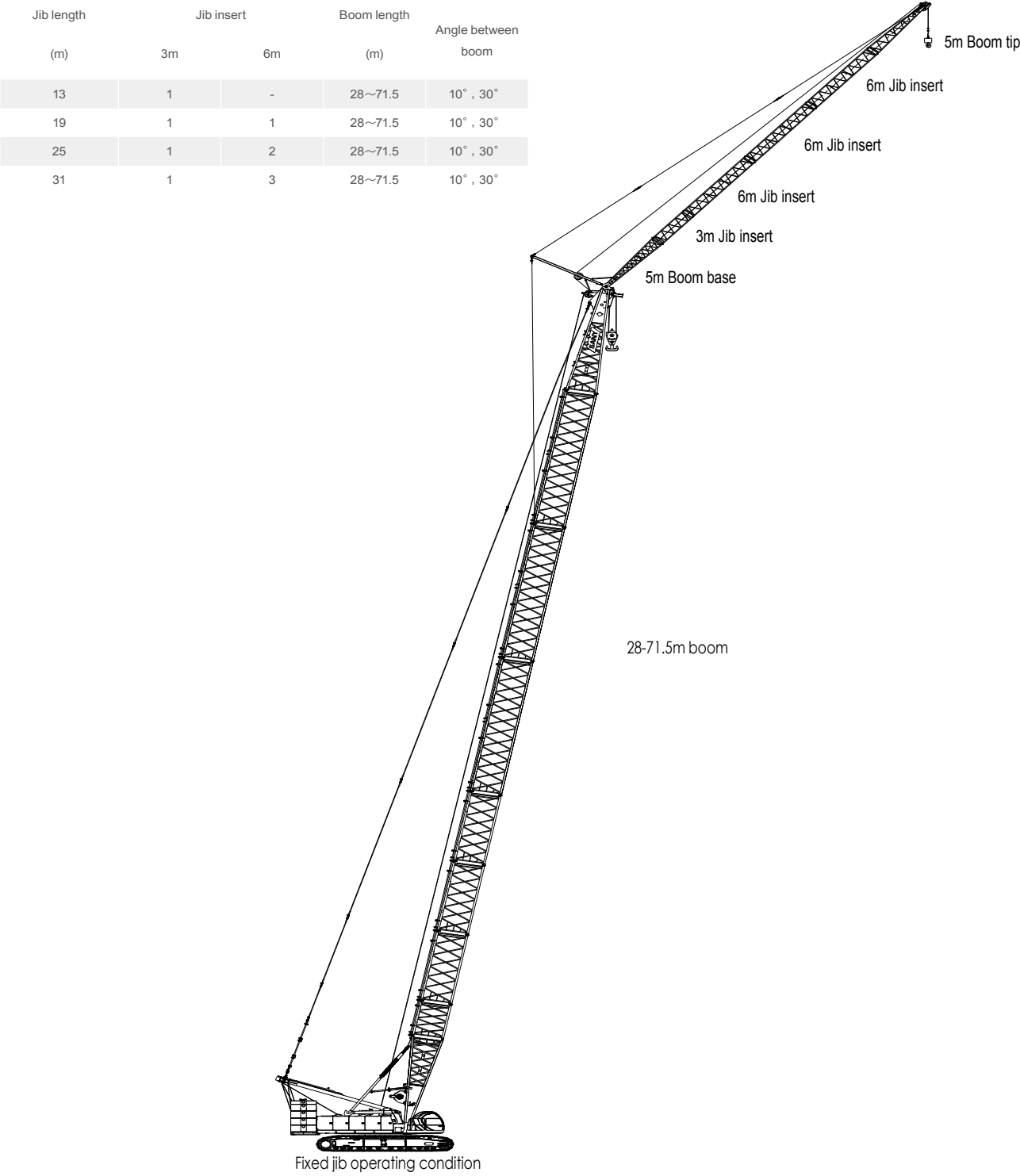
SCC8200 crawler crane – Luffing jib load chart

Boom 46.5m; Boom angle of 85° ; Jib length of 22-51m; Rear counterweight of 64t; Central ballast of 20t.

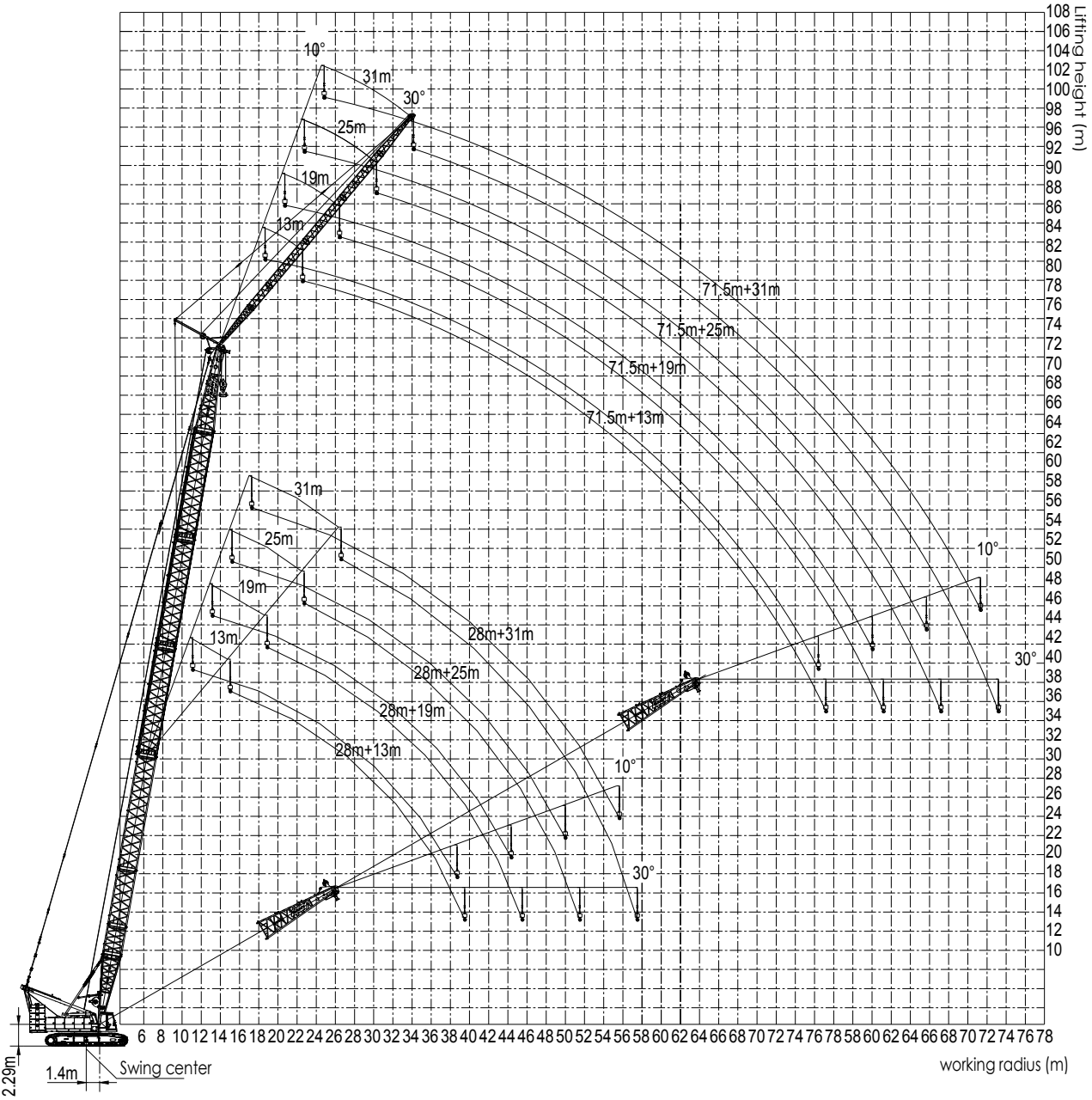
Unit: (t)

Radius (m)	Jib length (m)										
	22	25	28	30.5	33.5	36.5	39.5	42	45	48	51
12	35.1	35.1									
14	35.0	35.0									
16	35.0	35.0	35.0	35.0	33.4						
18	35.0	35.0	34.8	34.6	32.9	30.9	27.4				
20	31.3	31.7	31.5	31.4	30.8	30.2	27.0	23.8	20.6	17.8	
22	26.9	27.3	27.6	27.9	27.8	27.5	24.7	22.0	19.2	16.5	13.9
24	23.1	23.8	24.1	24.4	24.7	24.9	22.7	20.3	17.8	15.3	12.8
26	21.2	20.9	21.4	21.7	21.9	22.0	20.4	18.7	16.5	14.2	11.9
28	19.5	17.0	18.1	19.0	19.4	19.6	18.5	17.4	15.5	13.2	11.0
30		15.6	16.4	17.1	17.4	17.6	16.9	16.2	14.5	12.4	10.3
32			14.7	15.1	15.7	15.9	15.6	15.1	13.7	11.6	9.6
34			13.0	14.5	14.5	14.5	14.3	14.2	12.8	10.9	9.0
36				13.5	13.4	13.2	13.2	13.1	12.0	10.2	8.4
38					12.3	12.1	12.0	12.0	11.0	9.4	7.9
40						11.3	11.2	11.1	10.1	8.8	7.4
42						10.3	10.1	10.1	9.3	8.1	6.9
44							9.4	9.3	8.6	7.5	6.5
46								8.4	7.8	6.9	6.1
48									7.0	6.3	5.7
50									6.3	5.8	5.3
52										5.2	5.1
54											4.8
56											4.5
Falls	3	3	3	3	3	3	3	2	2	2	2

FIXED JIB OPERATING CONDITION



FIXED JIB RANGE DIAGRAM



FIXED JIB FJ OPERATING CONDITION LOAD CHART

- Note:**
1.

The rated load in chart is a maximum allowable value under the condition that the load is stably lifted from the level and hard ground without traveling.
2.

The rated load in chart is calculated based on the 75% of tipping load at the wind speed of below 9.8m/s. The load value is based on t as unit. The actual lifting capacity is a value that the rated lifting capacity is deducted by the weight of main and auxiliary hooks. Lifting capacity as follows:

■ 25t hook

——0.791t

■ 13.5t hook

——0.529t
3.

The values in load chart are available for 360° rotation.

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 13m; Angle of boom and jib of 10° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
10m	25/10.4m	25/10.8m	25/11.3m	25/11.8m												
12m	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0								
14m	23.5	23.9	24.3	22.9	24.6	25.0	25.0	25.0	25.0	25.0	25.7	26.0				
16m	22.0	22.6	23.0	22.0	23.4	23.9	24.2	24.5	24.7	24.9	25.0	25.0	25.0	25.3	25.6	25.6
18m	20.5	21.4	21.8	21.2	22.3	22.8	23.1	23.4	23.6	23.8	24.0	24.2	24.4	24.6	24.8	25.0
20m	19.2	20.3	20.7	20.4	21.3	21.8	22.1	22.3	22.6	22.8	23.1	23.3	23.4	23.6	23.8	24.0
22m	18.1	19.2	19.7	19.7	20.3	20.7	21.0	21.2	21.4	21.8	22.0	22.3	22.5	22.7	22.9	23.1
24m	17.1	18.2	18.7	19.0	19.4	19.9	20.0	20.2	20.5	20.8	21.1	21.3	21.6	21.9	22.0	22.2
26m	16.1	17.4	17.8	18.4	18.5	19.0	19.1	19.2	19.5	19.9	20.2	20.5	20.7	21.1	21.3	21.5
28m	15.2	16.4	17.0	17.8	17.6	18.1	18.2	18.3	18.7	19.1	19.4	19.7	20.0	20.2	20.4	20.7
30m	14.4	15.5	16.2	17.1	16.8	17.2	17.3	17.5	17.9	18.3	18.6	18.8	19.2	19.4	19.6	20.1
32m	13.7	14.7	15.3	16.5	16.0	16.4	16.5	16.7	17.1	17.5	17.8	18.1	18.3	18.4	18.0	17.6
34m	13.0	13.8	14.5	16.0	15.2	15.7	15.6	16.0	16.4	16.8	17.0	16.9	16.7	16.5	16.2	16.0
36m	12.3	13.0	13.7	15.3	14.5	14.8	14.7	15.2	15.7	15.7	15.4	15.3	15.1	14.8	14.6	14.3
38m	11.8/37.1	12.2	12.9	14.7	13.8	14.1	13.9	14.4	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9
40m		11.6/39.7	12.1	14.2	13.1	13.4	13.1	13.3	13.2	13.0	12.7	12.5	12.4	12.1	11.9	11.6
42m			11.5	13.7	12.5	12.4	12.2	12.2	12.1	11.8	11.6	11.4	11.2	11.0	10.8	10.5
44m			11.2/42.4	13.2	11.8	11.5	11.3	11.2	11.0	10.8	10.5	10.4	10.2	10.0	9.7	9.5
46m				12.9	11.2	10.7	10.4	10.2	10.1	9.8	9.6	9.4	9.3	9.0	8.8	8.6
48m						9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.7
50m							8.8	8.6	8.5	8.2	8.0	7.9	7.7	7.5	7.3	7.0
52m							8.2	8.0	7.8	7.6	7.4	7.2	7.1	6.8	6.6	6.4
54m								7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8
56m									6.6	6.4	6.2	6.0	5.9	5.7	5.4	5.2
58m										5.9	5.7	5.5	5.4	5.2	5.0	4.8
60m											5.5	5.2	5.0	4.9	4.5	4.3
62m												4.8	4.6	4.5	4.3	3.9
64m													4.3	4.1	3.9	3.4
66m														3.7	3.5	3.1
68m														3.5	3.2	3.0
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 19m; Angle of boom and jib of 10° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
12m	21.2/12.3	21.2/12.8	21.2/13.3	21.2/13.7												
14m	19.7	20.0	20.3	20.5	21.1	21.2	21.0	20.9								
16m	18.4	18.8	19.1	19.4	19.6	19.8	20.0	20.3	20.2	20.4	20.6	20.6				
18m	17.3	17.7	18.0	18.3	18.5	18.8	19.0	19.3	19.4	19.6	19.8	19.9	20.2	20.4	20.4	20.4
20m	16.3	16.6	17.0	17.3	17.5	17.8	18.1	18.3	18.4	18.7	18.9	19.1	19.2	19.3	19.5	19.7
22m	15.4	15.8	16.1	16.4	16.6	16.9	17.2	17.4	17.6	17.8	18.0	18.2	18.3	18.5	18.7	18.9
24m	14.5	14.9	15.3	15.5	15.8	16.0	16.3	16.6	16.7	17.0	17.2	17.4	17.5	17.7	17.9	18.1
26m	13.7	14.2	14.5	14.8	15.0	15.3	15.5	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.1	17.2
28m	12.5	13.3	13.8	14.1	14.3	14.6	14.9	15.1	15.3	15.5	15.7	15.9	16.1	16.2	16.4	16.6
30m	11.6	12.2	12.8	13.4	13.7	14.0	14.2	14.5	14.6	14.9	15.1	15.2	15.4	15.7	15.8	16.0
32m	10.7	11.3	11.8	12.4	12.9	13.3	13.6	13.8	14.1	14.3	14.5	14.7	14.8	15.0	15.2	15.3
34m	10.0	10.5	11.1	11.6	12.0	12.5	13.0	13.2	13.4	13.7	13.9	14.0	14.2	14.4	14.6	14.8
36m	9.3	9.8	10.3	10.8	11.2	11.6	12.1	12.6	12.9	13.1	13.3	13.5	13.7	13.9	14.0	14.2
38m	8.7	9.2	9.7	10.1	10.5	10.9	11.3	11.8	12.1	12.6	12.8	13.0	13.2	13.3	13.4	13.4
40m	8.2	8.6	9.0	9.5	9.9	10.3	10.7	11.1	11.4	11.8	12.2	12.5	12.6	12.5	12.3	12.0
42m	7.7	8.1	8.5	8.9	9.2	9.6	10.0	10.4	10.7	11.1	11.4	11.6	11.5	11.3	11.1	10.9
44m	7.5/42.9m	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.1	10.5	10.7	10.7	10.6	10.3	10.1	9.9
46m		7.4/45.5m	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	9.9	9.8	9.6	9.4	9.2	9.0
48m			7.3	7.6	7.8	8.2	8.5	8.8	9.0	9.2	9.1	9.0	8.8	8.6	8.4	8.1
50m			7.1/48.1m	7.2	7.5	7.8	8.1	8.3	8.6	8.6	8.3	8.2	8.0	7.8	7.6	7.4
52m				6.9	7.1	7.3	7.6	7.9	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.7
54m						7.0	7.3	7.6	7.5	7.2	7.0	6.9	6.7	6.5	6.3	6.1
56m							6.9	7.0	6.9	6.7	6.5	6.3	6.2	6.0	5.8	5.5
58m								6.5	6.4	6.2	6.0	5.8	5.7	5.4	5.2	5.0
60m								6.1	5.8	5.6	5.4	5.3	5.1	4.9	4.7	4.5
62m									5.5	5.2	5.0	4.9	4.7	4.5	4.3	4.1
64m										4.9	4.6	4.4	4.3	4.1	3.9	3.7
66m											4.2	4.1	4.0	3.8	3.6	3.4
68m											4.0	3.8	3.6	3.4	3.3	3.1
70m												3.5	3.3	3.1		
72m													3.0			
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 25m; Angle of boom and jib of 10° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
14m	11.6/14.3	11.9/14.7	11.9/15.2	11.9/15.7m												
16m	11.3	11.4	11.5	11.6	11.7	11.7	11.7	11.7								
18m	10.5	10.7	10.9	11.0	11.1	11.3	11.4	11.5	11.5	11.5	11.4	11.5	11.5			
20m	9.9	10.1	10.3	10.4	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.3	11.4	11.4	11.4
22m	9.4	9.6	9.8	9.9	10.0	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.0
24m	8.9	9.1	9.3	9.4	9.5	9.6	9.8	9.9	10.0	10.1	10.3	10.4	10.4	10.5	10.6	10.6
26m	8.4	8.6	8.8	9.0	9.1	9.2	9.3	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.1	10.2
28m	8.0	8.2	8.3	8.5	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.7
30m	7.5	7.7	8.0	8.1	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.3
32m	7.2	7.3	7.5	7.7	7.8	8.0	7.9	8.3	8.4	8.5	8.7	8.7	8.8	8.9	9.0	9.1
34m	6.8	7.0	7.1	7.3	7.4	7.6	7.8	7.9	8.0	8.2	8.3	8.4	8.5	8.6	8.6	8.6
36m	6.4	6.6	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
38m	6.2	6.3	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1
40m	5.8	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.6	7.6	7.7
42m	5.6	5.7	5.9	6.1	6.2	6.4	6.5	6.7	6.7	6.9	7.0	7.1	7.2	7.3	7.4	7.4
44m	5.3	5.5	5.7	5.8	5.9	6.1	6.3	6.3	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2
46m	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9
48m	4.9	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.6
50m	4.8/48.9m	4.9	5.0	5.0	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.1	6.2	6.3	6.4
52m		4.8/51.5m	4.8	4.8	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1
54m			4.7	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.8	5.9	5.9
56m			4.6/54.2m	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7
58m						4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.5
60m						4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.1	5.0
62m							4.4	4.5	4.5	4.6	4.7	4.8	4.9	4.9	4.7	4.5
64m								4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.5	4.3
66m									4.2	4.2	4.3	4.4	4.4	4.3	4.1	3.9
68m										4.1	4.1	4.1	4.1	3.9	3.8	3.6
70m											3.9	3.8	3.7	3.6	3.4	3.3
72m												3.5	3.4	3.3	3.1	
74m												3.3	3.1	3.0		
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 31m; Angle of boom and jib of 10° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
16m	6.2/16.2	6.6/16.7	6.6/17.2	6.7/17.6												
18m	6.1	6.2	6.3	6.4	7.2	6.6	6.5	6.5								
20m	5.8	5.9	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4			
22m	5.4	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.1
24m	5.1	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.1
26m	4.7	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.7	5.8
28m	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.4	5.5	5.6
30m	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3
32m	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.0
34m	3.8	3.9	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8
36m	3.6	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.7
38m	3.3	3.4	3.5	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.4
40m	3.1	3.2	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.1	4.1	4.2	4.3
42m	3.0	3.1	3.2	3.2	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.8	3.9	4.0	4.0	4.0
44m			3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.8	3.9
46m					3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.6	3.7	3.8
48m							3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.5
50m									3.0	3.1	3.1	3.2	3.3	3.4	3.4	3.4
52m											3.0	3.1	3.1	3.2	3.2	3.3
54m												3.0	3.0	3.0	3.1	3.2
56m															3.0	3.0
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 13m; Angle of boom and jib of 30° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
14m	18.9/14.3	18.9/14.8	18.9/15.3	18.9/15.7												
16m	17.8	18.0	18.1	18.3	18.5	18.5	18.5	18.5								
18m	16.9	17.2	17.4	17.6	17.7	17.9	18.0	18.1	18.2	18.3	18.3	18.3				
20m	15.6	16.1	16.4	16.8	17.0	17.2	17.4	17.4	17.5	17.6	17.7	17.8	17.9	18.0	17.9	17.9
22m	14.6	15.0	15.4	15.8	16.0	16.3	16.6	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.4	17.5
24m	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.2	16.4	16.6	16.7	16.8	16.8	16.9	17.0
26m	12.9	13.3	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.6	15.8	16.0	16.2	16.3	16.4	16.5
28m	12.2	12.6	13.0	13.3	13.5	13.8	14.1	14.3	14.6	14.8	15.0	15.3	15.4	15.6	15.8	16.0
30m	11.6	11.9	12.3	12.6	12.8	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.7	15.0	15.1	15.3
32m	11.0	11.4	11.8	12.0	12.3	12.6	12.8	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7
34m	10.7	10.9	11.2	11.5	11.7	12.0	12.2	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0
36m	10.3	10.5	10.7	11.0	11.2	11.4	11.7	11.9	12.1	12.4	12.6	12.8	12.9	13.1	13.3	13.5
38m	9.9/37.8	10.2	10.3	10.6	10.8	11.0	11.3	11.4	11.6	11.9	12.1	12.2	12.4	12.6	12.8	12.9
40m		9.9	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.2	12.3
42m		9.7/40.5	9.8	9.9	10.1	10.2	10.4	10.6	10.7	10.9	11.1	11.3	11.4	11.4	11.1	10.9
44m			9.8/43.1	9.6	9.7	9.9	10.0	10.2	10.4	10.6	10.7	10.7	10.5	10.3	10.1	9.9
46m				9.4	9.4	9.6	9.7	9.9	10.0	10.1	9.9	9.7	9.6	9.4	9.2	9.0
48m						9.3	9.4	9.6	9.4	9.2	9.0	8.9	8.7	8.5	8.4	8.1
50m						9.1	8.9	8.8	8.7	8.5	8.2	8.1	8.0	7.8	7.5	7.3
52m							8.2	8.1	8.0	7.7	7.5	7.4	7.3	7.1	6.8	6.6
54m								7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.2	6.0
56m									6.7	6.5	6.3	6.2	6.0	5.9	5.7	5.4
58m									6.3	6.0	5.8	5.6	5.5	5.3	5.1	4.9
60m										5.6	5.3	5.1	5.0	4.8	4.6	4.4
62m											4.9	4.7	4.6	4.4	4.2	4.0
64m													4.3	4.2	4.0	3.8
66m														4.0	3.8	3.6
68m															3.5	3.1
70m															3.0	
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 19m; Angle of boom and jib of 30° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
18m	12.7/18.1	12.7/18.6	12.7/19.0	12.7/19.5												
20m	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5							
22m	12.0	12.1	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.3			
24m	11.4	11.7	11.7	11.8	11.9	12.0	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
26m	10.7	11.0	11.2	11.4	11.5	11.6	11.7	11.8	11.8	11.9	12.0	12.0	12.0	12.0	12.0	12.0
28m	10.0	10.3	10.5	10.8	10.9	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.7	11.8	11.8	11.8
30m	9.4	9.7	9.9	10.2	10.3	10.6	10.8	11.0	11.1	11.2	11.2	11.3	11.4	11.5	11.5	11.5
32m	8.9	9.1	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.7	10.8	11.0	11.0	11.1	11.1	11.2
34m	8.4	8.6	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.7	10.8	10.8	10.8
36m	8.0	8.3	8.5	8.7	8.9	9.1	9.2	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.6
38m	7.6	7.9	8.1	8.3	8.4	8.7	8.8	9.0	9.1	9.3	9.5	9.6	9.7	9.8	10.0	10.2
40m	7.4	7.5	7.7	7.9	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.3	9.4	9.6	9.6
42m	7.1	7.2	7.4	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.7	8.8	8.9	9.1	9.2	9.3
44m	6.9	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.2	8.3	8.5	8.6	8.7	8.8	8.9
46m	6.8/44.2	6.8	6.9	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.1	8.2	8.3	8.5	8.6
48m		6.7/46.9	6.7	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2
50m			6.6/49.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
52m				6.4	6.5	6.6	6.6	6.8	6.8	7.0	7.1	7.2	7.3	7.4	7.4	7.3
54m				6.3	6.3	6.4	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.0	6.9	6.6
56m						6.2	6.3	6.3	6.4	6.5	6.6	6.7	6.6	6.4	6.2	6.0
58m							6.1	6.2	6.2	6.3	6.3	6.1	6.0	5.9	5.7	5.5
60m								6.0	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0
62m								5.7	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5
64m									5.2	5.0	4.8	4.7	4.6	4.5	4.3	4.1
66m										4.6	4.4	4.3	4.2	4.1	3.9	3.7
68m											4.0	3.9	3.8	3.7	3.5	3.3
70m												3.6	3.5	3.3	3.2	3.0
72m													3.3	3.2	3.0	
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 25m; Angle of boom and jib of 30° ; Rear counterweight of 64t; Central ballast of 20t. Unit: (t)

Jib Angle Radius (m)	28m	31m	34m	37m	39.5m	42.5m	45.5m	48.5m	51m	54m	57m	60m	62.5m	65.5m	68.5m	71.5m
20m	7.7/21.9															
22m	7.5	7.6/23.3	7.6/23.3	7.6	7.6											
24m	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.4							
26m	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.4	7.3	7.3			
28m	6.5	6.6	6.7	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2
30m	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
32m	6.0	6.0	6.1	6.1	6.2	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.7	6.8
34m	5.7	5.8	5.9	6.0	6.0	6.0	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.5	6.5
36m	5.5	5.5	5.6	5.7	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.4
38m	5.3	5.4	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1
40m	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.7	5.8	5.8	5.8	5.8
42m	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.3	5.4	5.4	5.5	5.6	5.6	5.6	5.7	5.7
44m	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.5
46m	4.6	4.6	4.7	4.8	4.9	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3
48m	4.6	4.6	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2
50m	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.8	4.8	4.8	4.9	4.9	5.0	5.0	5.0
52m	4.4/50.3	4.4	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.8	4.8	4.8	4.8	4.8
54m		4.4/53.0	4.3	4.3	4.3	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.7
56m			4.3/55.6	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6	4.6
58m				4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5
60m				4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3
62m						4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2
64m							4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.1
66m								3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9
68m									3.8	3.7	3.7	3.7	3.8	3.8	3.8	3.8
70m										3.7	3.6	3.6	3.7	3.6	3.5	3.3
72m											3.6	3.6	3.5	3.5	3.3	3.0
74m												3.4	3.2	3.1	3.0	
76m												3.1				
Counterweight (t)	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20	64+20
Falls	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

FIXED JIB FJ OPERATING CONDITION LOAD CHART

SCC8200 crawler crane – Fixed jib load chart

Boom of 28~71.5m; Jib of 31m; Angle of boom and jib of 30° ; Rear counterweight of 64t; Central ballast of 20t. unit: (t)

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Notes



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